SAMSUNG

VIDEO CASSETTE RECORDER

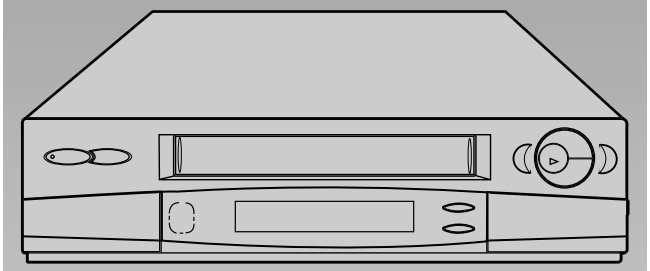
SV-A20XK/SV-200X
SV-A21XK/SV-201X
SV-A30XK/SV-203X
SV-A40XK/SV-205X

VHS
PAL

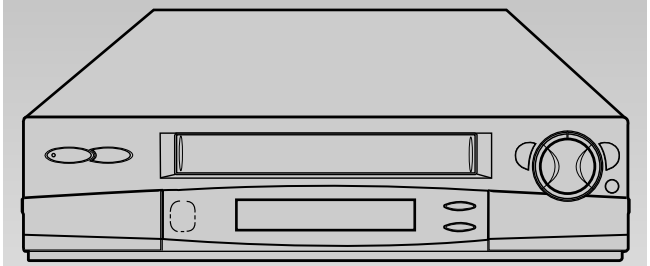
SERVICE Manual

For mechanical disassembly and adjustment, refer to the "Mechanical Manual" (DX7-R/RC, DX8-R/RC ⟶ AC68-20316A).

VIDEO CASSETTE RECORDER



SV-A20XK/SV-A21XK/SV-A30XK
SV-200X/SV-201X/SV-203X



SV-A40XK/SV-205X

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AC68-20328A

1. Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all pretective devices, including : control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people--particularly children --might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (See Fig. 1) :
   Warning : Do not use an isolation transformer during this test. Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known erath ground (metal water pipe, conduit, etc.) and all exposed metal parts, including : antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

6. X-ray Limits :
   The picture tube is designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original.

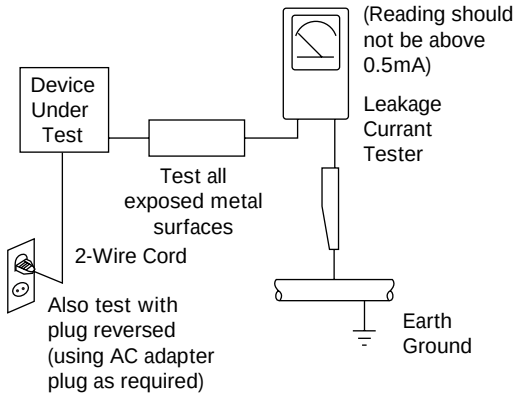

(Reading should not be above 0.5mA)
Device Under Test
Leakage Currant Tester
Test all exposed metal surfaces
2-Wire Cord
Also test with plug reversed (using AC adapter plug as required)
Earth Ground

Fig. 1-1 AC Leakage Test

7. Antenna Cold Check :
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong.
   Connect the other lead to the coaxial connector.

8. High Voltage Limit :
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.

   Heed the high voltage limits. These include the *X-ray protection Specifications Label*, and the *Product Safety and X-ray Warning Note* on the service data schematic.

9. Some semiconductor ("solid state") devices are easily damaged by static electricity.
   Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

10. Immediately before handling sny semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging Wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)

11. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

12. Design Alteration Warning :
    Never alter or add to the mechanical or electrical design of this unit. Example : Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

13. Hot Chassis Warning :
    Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following : Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

14. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, *regardless of the AC plug polarity*. These units can be safely serviced *only* if an isolation transformer inserted between the receiver and the power source.

15. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

16. Always connect a test instrument's ground lead to the instrument chassis ground *before* connecting the positive lead; always remove the instrument's ground lead last.

17. Observe the original lead dress, especially near the following areas : Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

18. Picture Tube Implosion Warning :
    The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

19. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

20. Product Safety Notice :
    Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original--even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (or).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

2. Reference Information

2-1 Servicing Jigs and Special Tools

2-1-1 Servicing guide

1. For this VCR chassis, the program switch and the sensors (start/end/reel) are located on the main PCB, not on the deck ass'y.

2. As long as the deck ass'y is connected to the main PCB, all repairs are possible.
   Important : In order to repair the main PCB without the deck ass'y connected, the X-5 chassis jig should be used.

3. To emulate the function of the sensors, connect a jumper or solder land (two point) at service option(W750) on the function-timer PCB.

4. The X-5 chassis jig can be used for the following :

1) When repairing or confirming the operation of the deck ass'y.
2) When replacing or repairing the components located under the deck ass'y.
3) When repairing the function PCB.

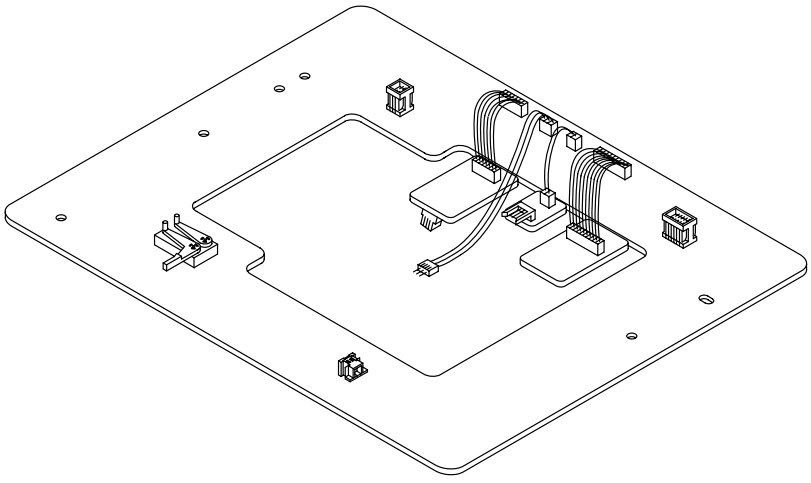
5. The X-5 chassis jig can not be used for the following :

1) Repairing defects in the video section.
2) Repairing defects in the audio section.
3) If the defect is related to tape speed.

Note :
1) Repair may not be possible if there is external noise between the deck ass'y and main PCB.
2) If tape control signal is not connected to the jig, the VCR must be operated in SP mode.

2-1-2 Servicing Jig

Jig Item	Part No.	Use
X-5 Chassis Jig	68140-500-013	Connects the deck ass'y to the main PCB connecting cable.



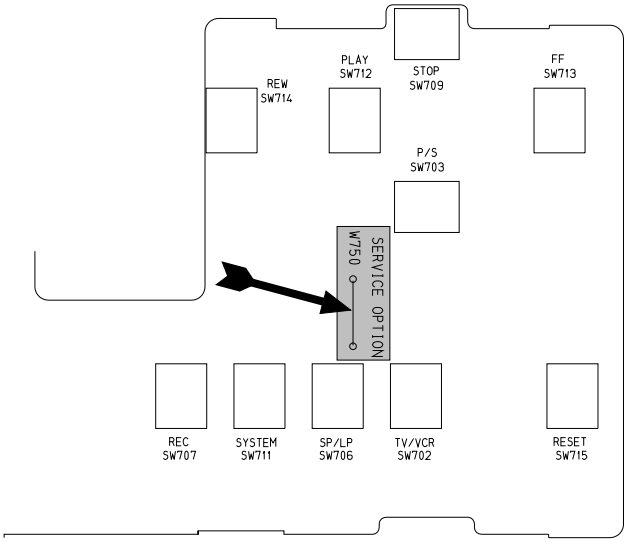
2-1-4 How to Connect X-5 chassis jig

1. Unplug the power cord from AC outlet.

2. Remove the deck ass'y from main PCB (See Page 4-5 of service manual).

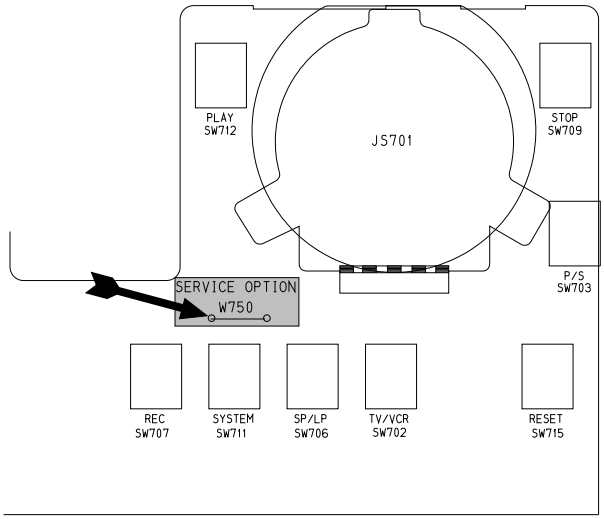
3. To emulate the function of the sensors, place a jumper or solder land (two point) at service option(W750) on the function-timer PCB. (see diagram below).

SV-A20XK/SV-200X
SV-A21XK/SV-201X
SV-A30XK/SV-203X



Function-Timer (Component side)

SV-A40XK/SV-205X



Function-Timer (Component side)

Note : After completing repairs, SW715 on the function PCB in order to reset.

4. Insert wafers of drum motor, capstan motor and loading motor on X-5 chassis jig into each of the connectors of deck ass'y, and then secure with three screws.

5. Solder the 3 leads of the jig cable to "CN605" on the main PCB.

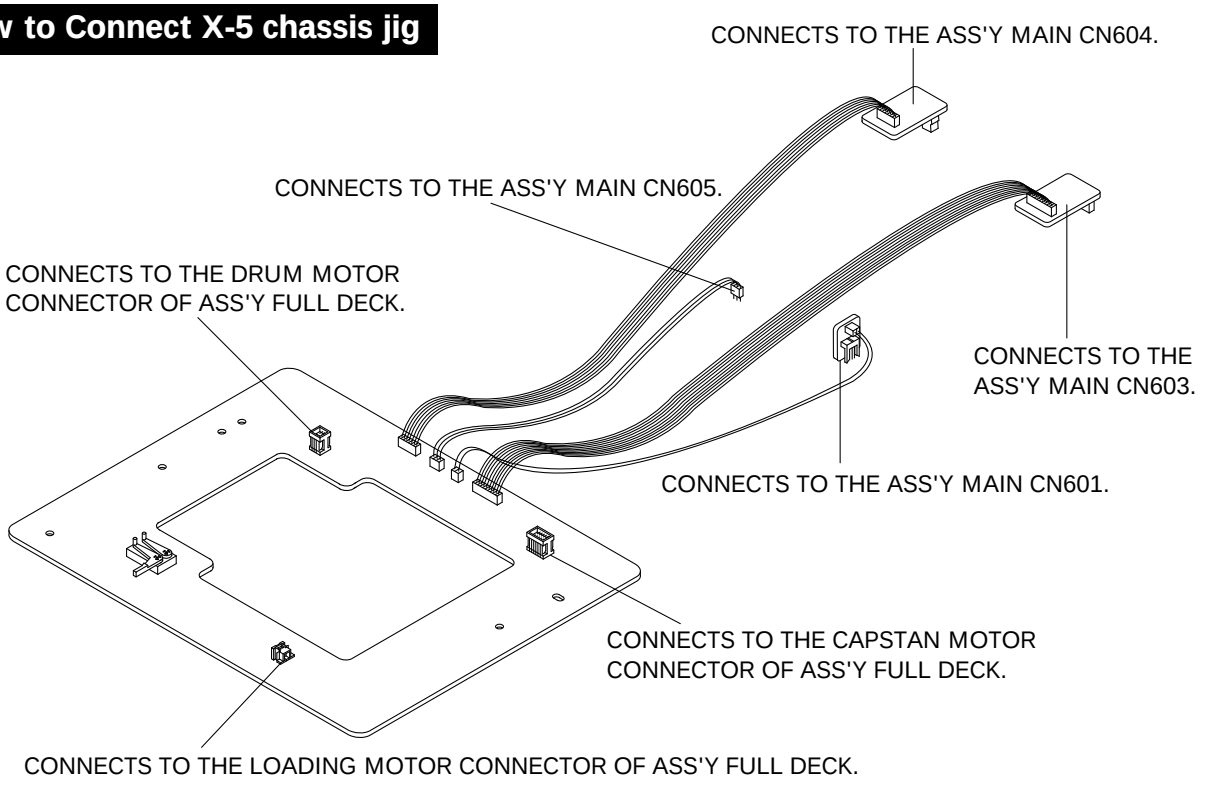
6. Apply power to the function PCB.

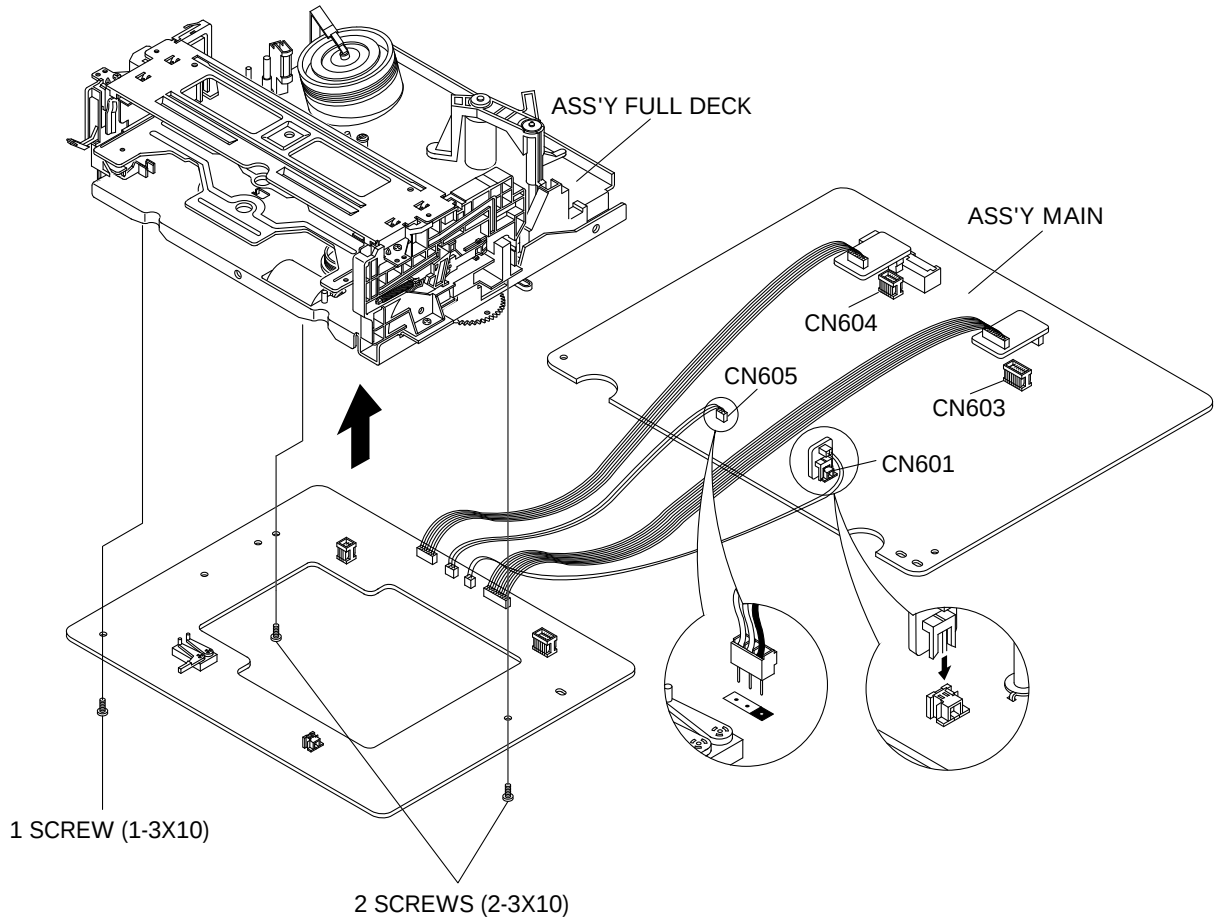
7. Insert a test tape into the housing ass'y.

8. Simultaneously touch the start and end sensor LEDs on the PCB, so that the tape loads automatically. After the tape is loaded, all of the function buttons on the function PCB can be used.

9. If the test tape is ejected while the jig is in use, attempt to re-load the tape by simultaneously touching the start and end sensor LEDs. If the tape still does not load, reset the function PCB by pressing SW715.

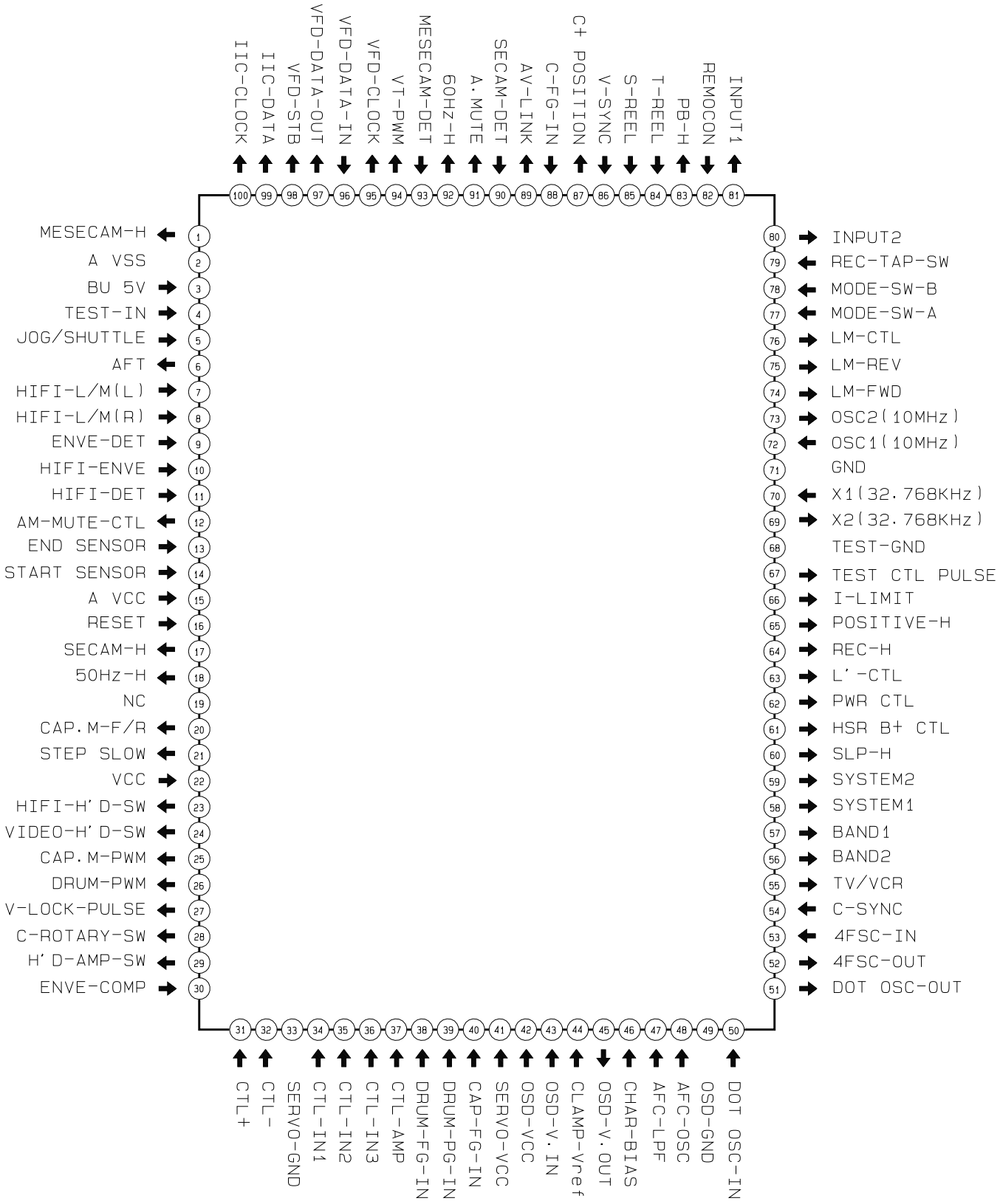
How to Connect X-5 chassis jig


CONNECTS TO THE ASS'Y MAIN CN604.
CONNECTS TO THE ASS'Y MAIN CN605.
CONNECTS TO THE DRUM MOTOR CONNECTOR OF ASS'Y FULL DECK.
CONNECTS TO THE ASS'Y MAIN CN603.
CONNECTS TO THE ASS'Y MAIN CN601.
CONNECTS TO THE CAPSTAN MOTOR CONNECTOR OF ASS'Y FULL DECK.
CONNECTS TO THE LOADING MOTOR CONNECTOR OF ASS'Y FULL DECK.

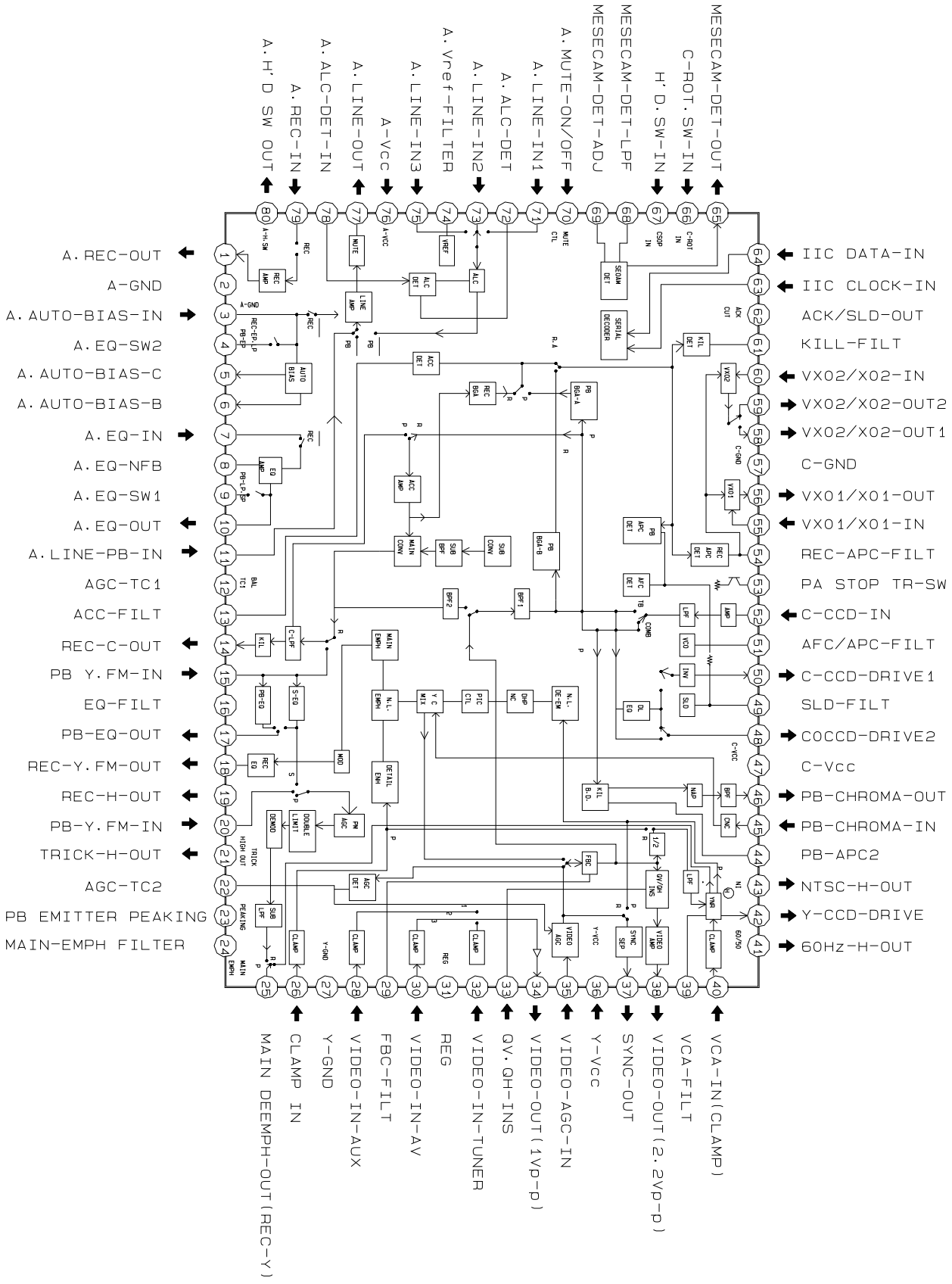


2-2 IC BLOCK

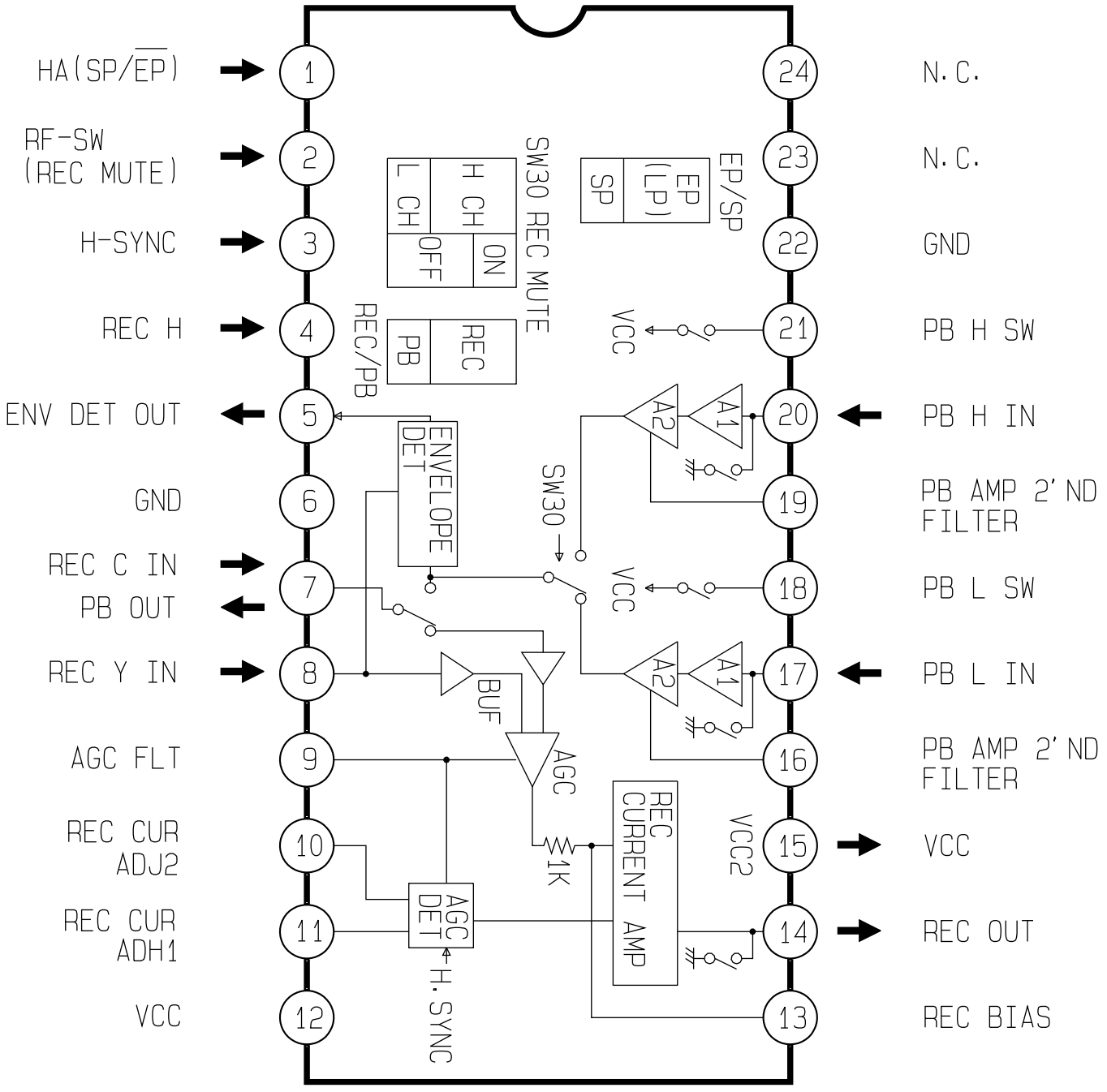
2-2-1 IC601 (HD6473977)



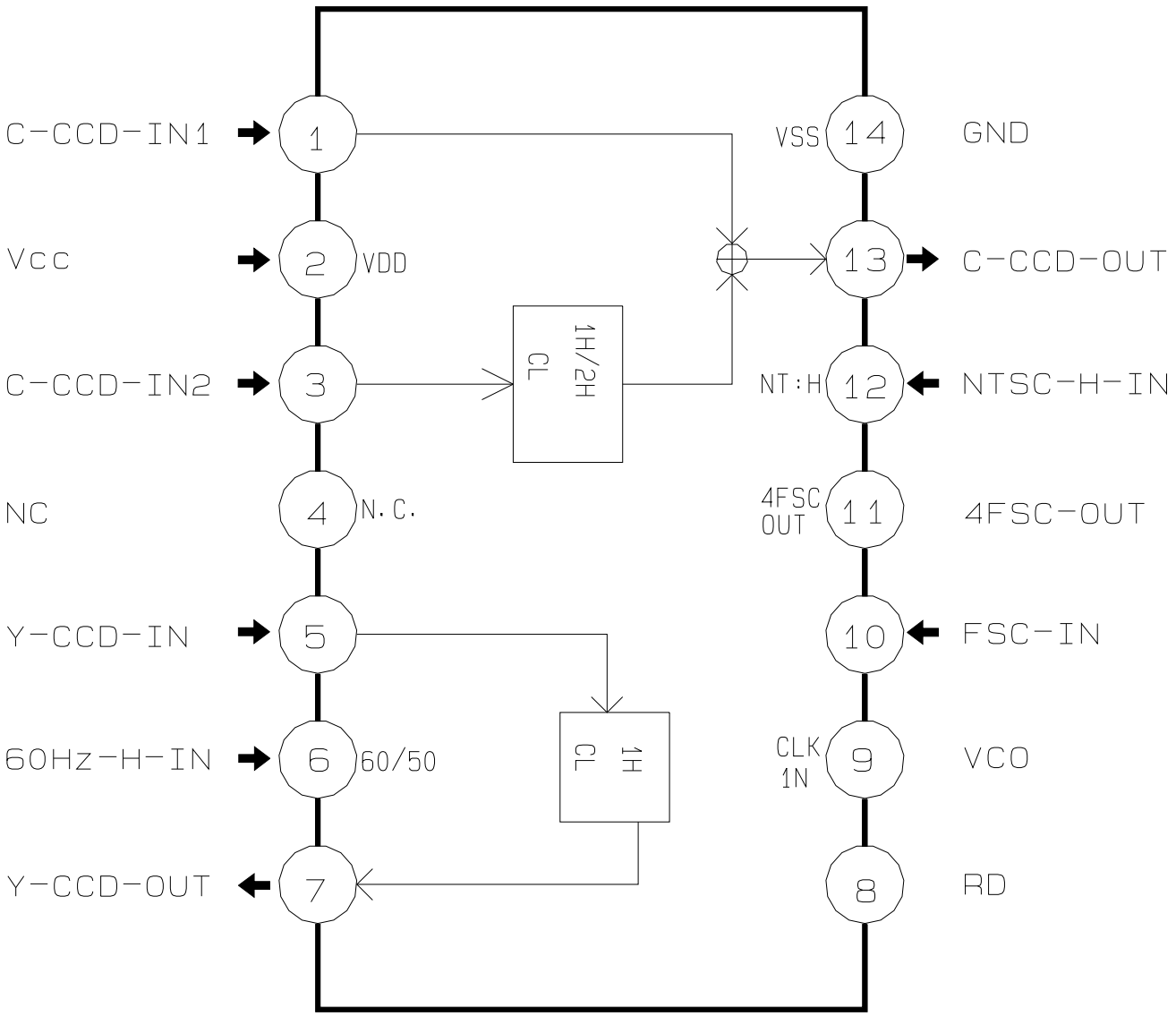
2-2-2 IC301 (SS11501M)



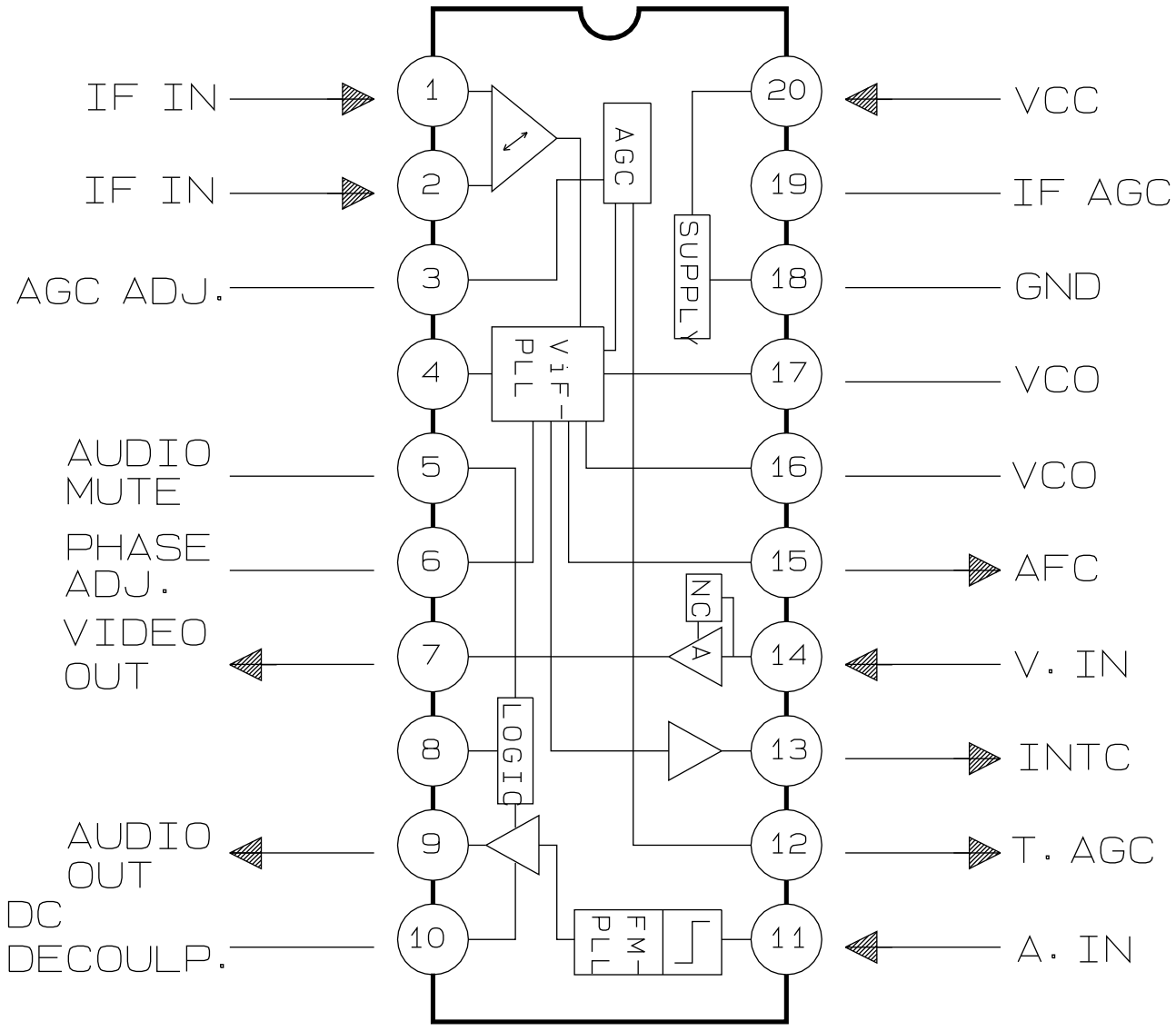
2-2-3 IC302 (LA7411)



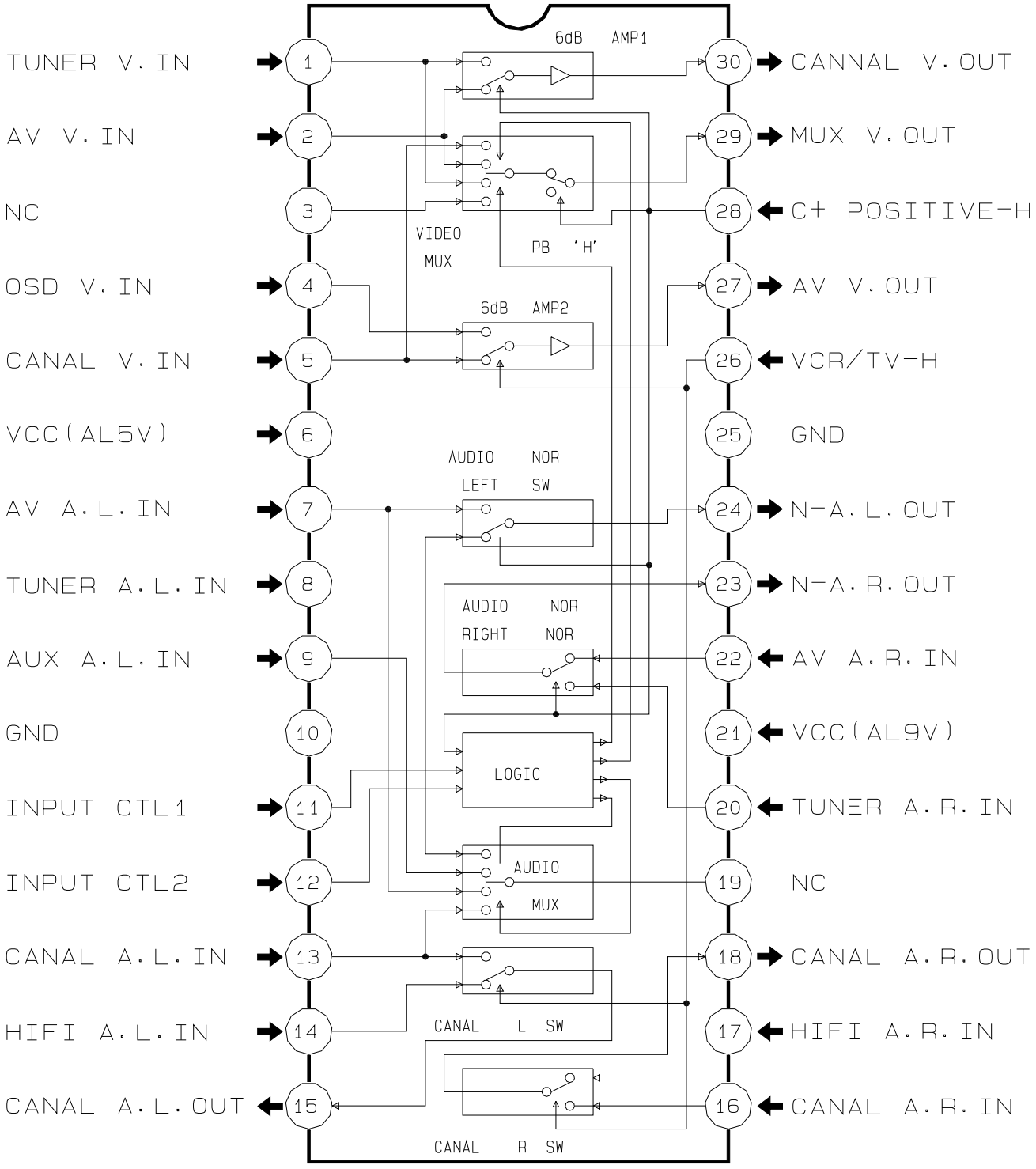
2-2-4 IC303 (SS23478M)



2-2-5 IC401 (TDA9800)



2-2-6 IC801 (KA8119)



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3. Product Specifications and Comparison Chart

3-1 Product Specifications

Design and specifications are subject to change without notice.

Operation	Description
Format	VHS PAL/MESECAM standard
Heads	Video : 2 rotary heads Audio/Control : 1 stationary head Erase : 1 full track erase head
Receiving channel	VHF-I, VHF-III, UHF, Hyperband
Television system	STANDARD B/G
Luminance	FM azimuth recording
Colour system	PAL/MESECAM : Down converted subcarrier phase shifted direct recording NTSC PB on PAL TV
Tape speed	SP : 23.39 mm/sec
Recording/playback time	SP : 3 hours (E-180 Tape)
F.F/REW time	About 100-190 sec in REW/F.F with E-180
VIDEO	
Input Output Signal-to-noise ratio Horizontal resolution	0.5 to 2.0 Vp-p : 75 ohm unbalanced 1.0 ± 0.2 Vp-p : 75 ohm unbalanced Better than 43 dB (SP) More than 240 lines (SP)
Audio	
Input Output Wow and flutter (WTD) Signal-to-noise ratio Frequency response	-8 dBm, 47 Kohm unbalanced -8 ± 3 dBm, 1 Kohm unbalanced 0.4% max (SP) 42 dB min (IHF A filter) 100Hz-8KHz
Power requirement	230V (AC 50/60 Hz)
Power consumption	Approx. 18 watts
Operation temperature	41°F-104°F (5°C-40°C)
Operation humidity	10%-75%
Weight	4.4 Kg (net)
Dimensions (W x H x D)	380 x 90.5 x 310 mm

3-2 Comparison Chart

FUNCTION / MODEL	SHUTTLE	AUDIO DUBBING	VPS	PDC	SHOW VIEW	ATS	AUTO CLOCK	FRONT A/V	REAR JACK	CANAL+ P/MIERE	VCR/ TV	REMARK
SV-A20XK/EDI (SV-200X)	X	X	X	X	X	X	X	X	1 SCART	X	X	
SV-A20XK/NSI (SV-200X)	X	X	X	X	X	X	X	X	1 SCART	X	X	
SV-A20XK/AMF (SV-200X)	X	X	X	X	X	X	X	X	1 SCART	X	X	
SV-A20XK/SEI (SV-200X)	X	X	X	X	X	X	X	X	1 SCART	X	X	
SV-A20XK/SEC (SV-200X)	X	X	X	X	X	X	X	X	1 SCART	X	X	
SV-A21XK/SEI (SV-201X)	X	X	X	X	X	X	X	X	2 SCART	CANAL+	O	
SV-A21XK/SEC (SV-201X)	X	X	X	X	X	X	X	X	2 SCART	CANAL+	O	
SV-A30XK/SEG (SV-203X)	X	X	O	X	O	O	O	X	1 SCART	X	X	
SV-A40XK/EDI (SV-205X)	O	O	X	O	O	O	O	O	2 SCART	CANAL+	O	
SV-A40XK/NSI (SV-205X)	O	O	X	O	O	O	O	O	2 SCART	CANAL+	O	
SV-A40XK/AMF (SV-205X)	O	O	X	O	O	O	O	O	2 SCART	CANAL+	O	
SV-A40XK/SEI (SV-205X)	O	O	X	O	O	O	O	O	2 SCART	CANAL+	O	
SV-A40XK/SEC (SV-205X)	O	O	X	O	O	O	O	O	2 SCART	CANAL+	O	
SV-A40XK/SEG (SV-205X)	O	O	O	X	O	O	O	O	O	P/MIERE	O	

4. Disassembly and Reassembly

4-1 Cabinet Assembly

Note : Disassemble in the order shown.
Reassemble in reverse order.

4-1-1 Cabinet Top removal

1. Remove 5 screws and slide the top cabinet to the rear to remove.

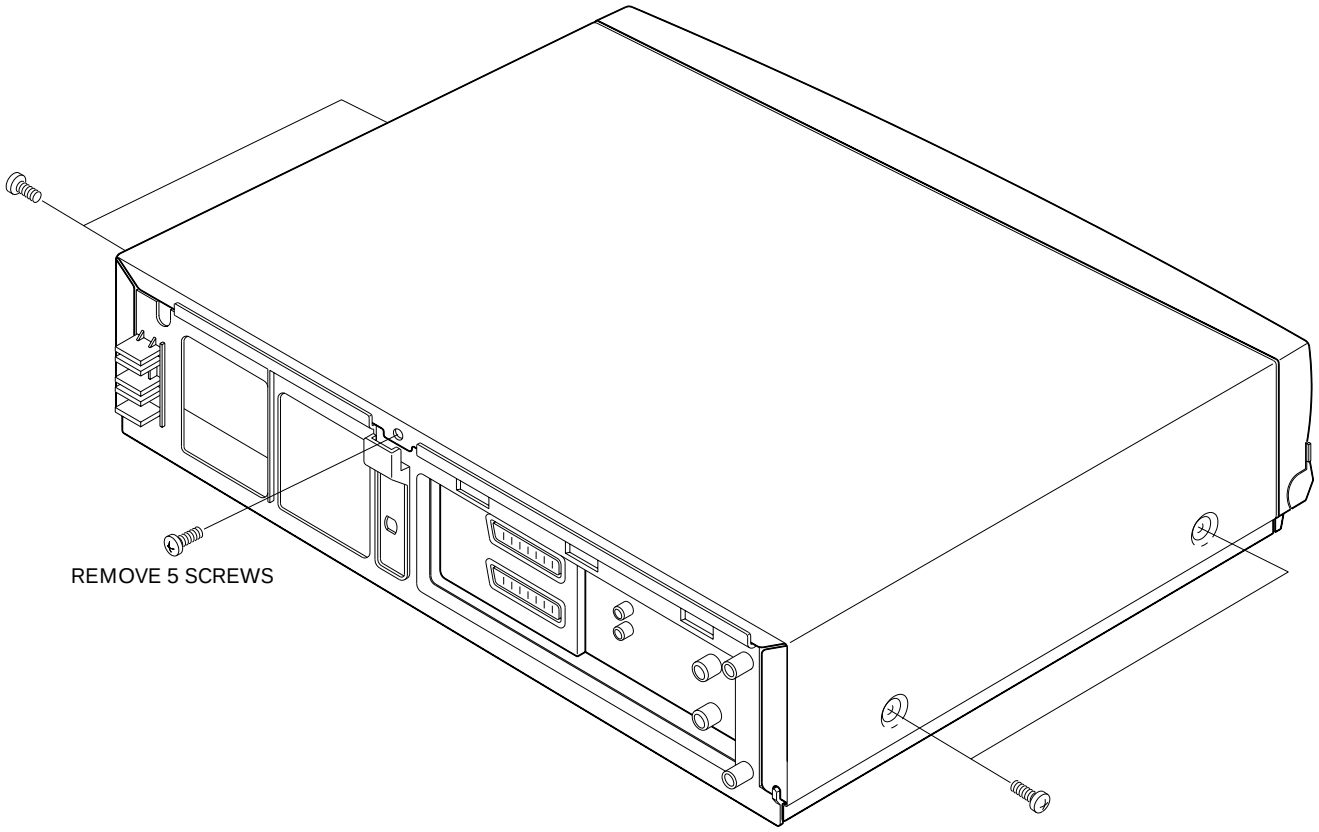
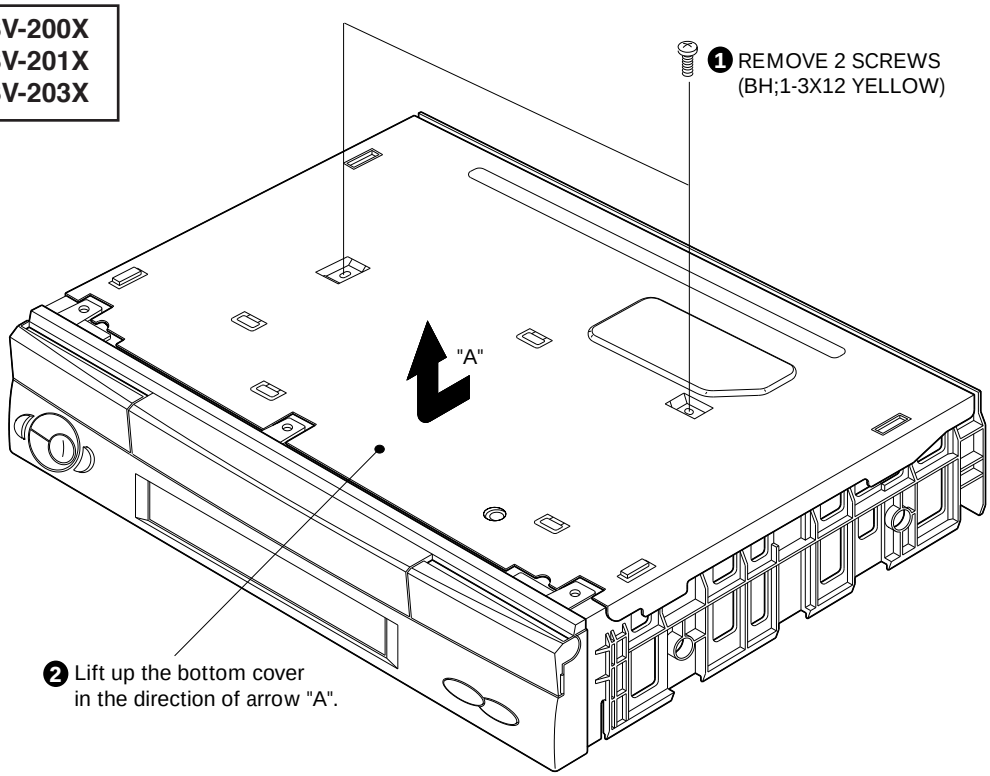


Fig. 4-1 Cabinet Top removal

4-1-2 Bottom cover removal

1. Remove 2 screws.
2. Lift up the bottom cover toward arrow "A".

SV-A20XK/SV-200X
SV-A21XK/SV-201X
SV-A30XK/SV-203X



SV-A40XK/SV-205X

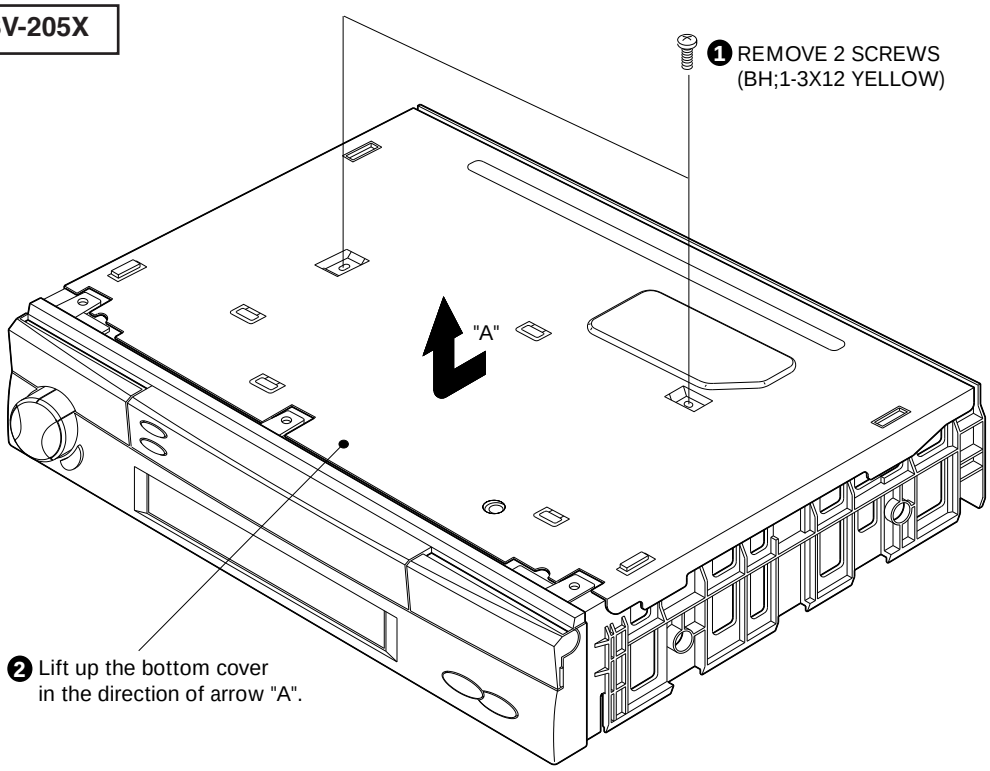
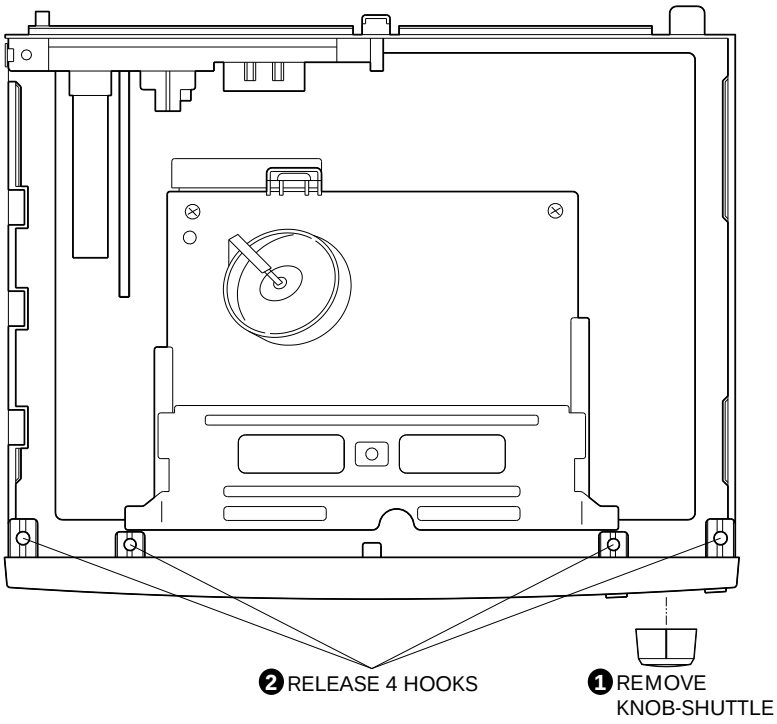


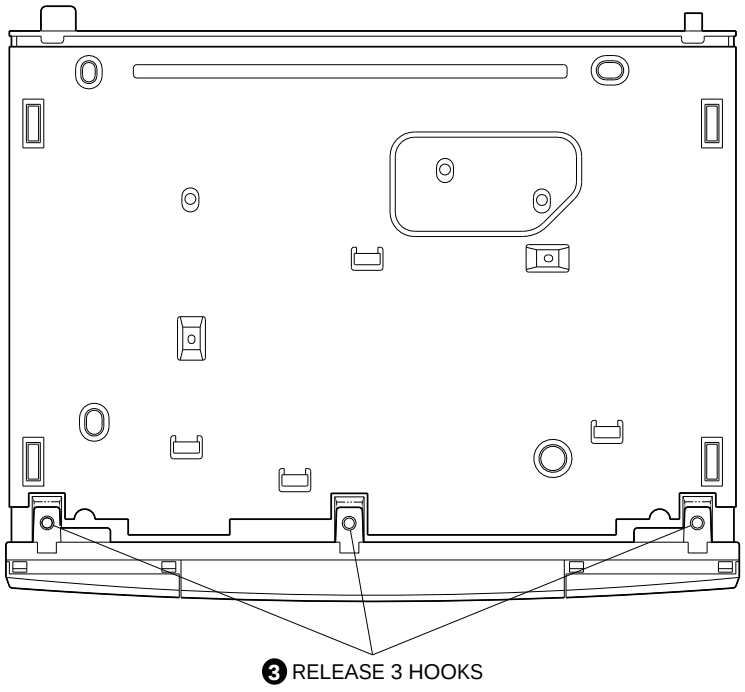
Fig. 4-2 Bottom Cover removal

4-1-3 Ass'y Front Panel removal

1. Remove the knob-shuttle.
2. Release 4 hooks on the top side and 3 hooks on the bottom side and then, pull the ass'y front panel to remove.



(Top view)



(Bottom view)

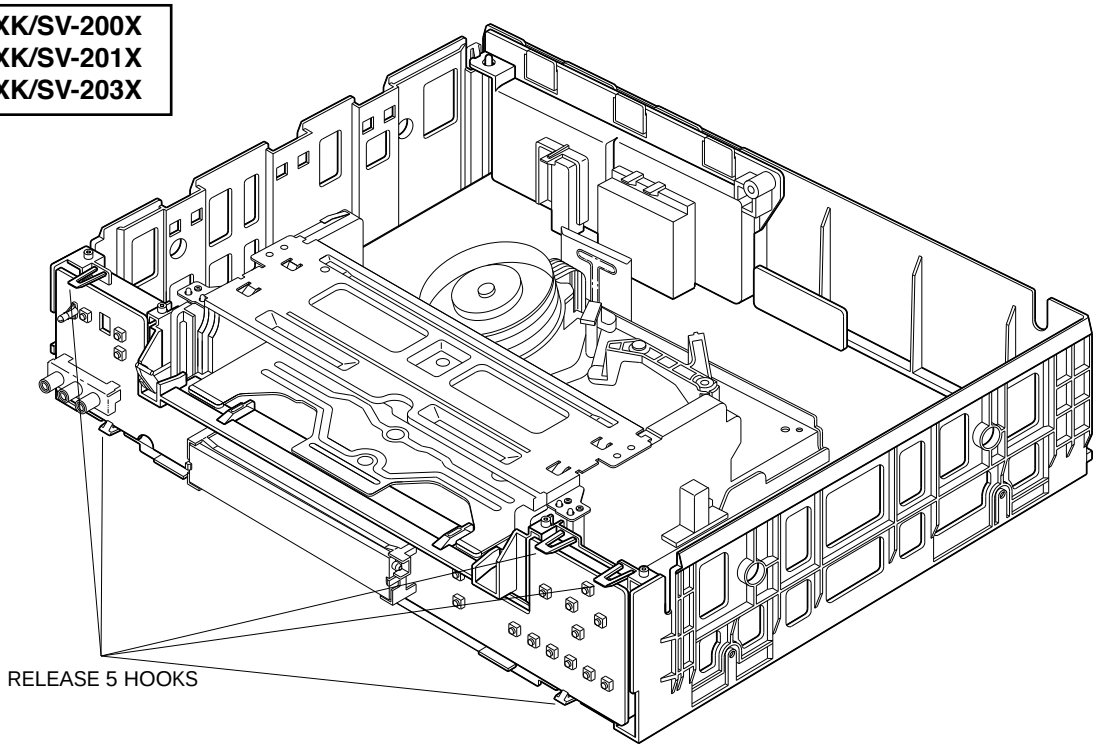
Fig. 4-3 Ass'y Front Panel removal

4-1-4 Ass'y Function-Timer removal

1. Release 5 hooks and remove the ass'y function-timder.

Note : Take extreme care not to damage the PCB when removing it.

SV-A20XK/SV-200X
SV-A21XK/SV-201X
SV-A30XK/SV-203X



SV-A40XK/SV-205X

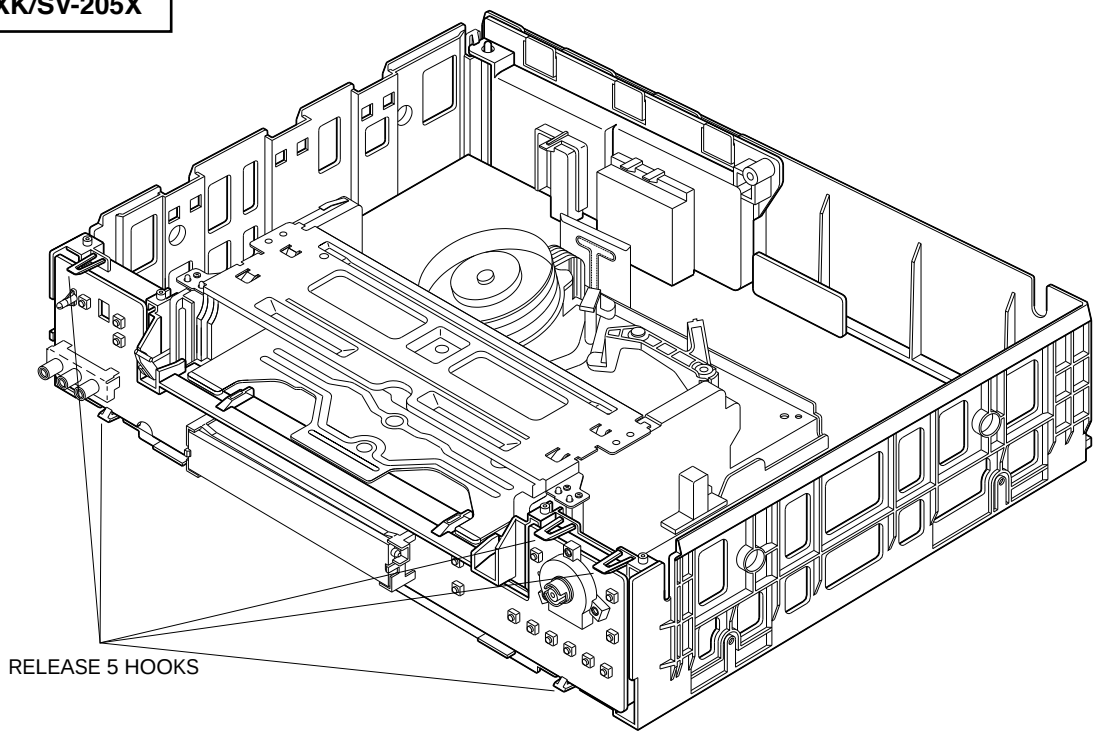


Fig. 4-4 Ass'y Function-Timer removal

4-1-5 Chassis removal

1. Remove 2 screws holding the bottom cover.
2. Remove 2 screws holding the frame.
3. Remove 2 screws holding the housing ass'y.
4. Remove 2 screws holding the ass'y full deck.
5. Lift the ass'y full deck up.
6. Release 1 tab holding the connector board ass'y.
7. Release 1 hook holding the ass'y main.
8. Lift the ass'y main up to remove.

Note : 1. When removing chassis, take extreme care not to damage the main PCB front.
2. When reinstalling the deck on the main PCB, take extreme care not to damage the sensor.

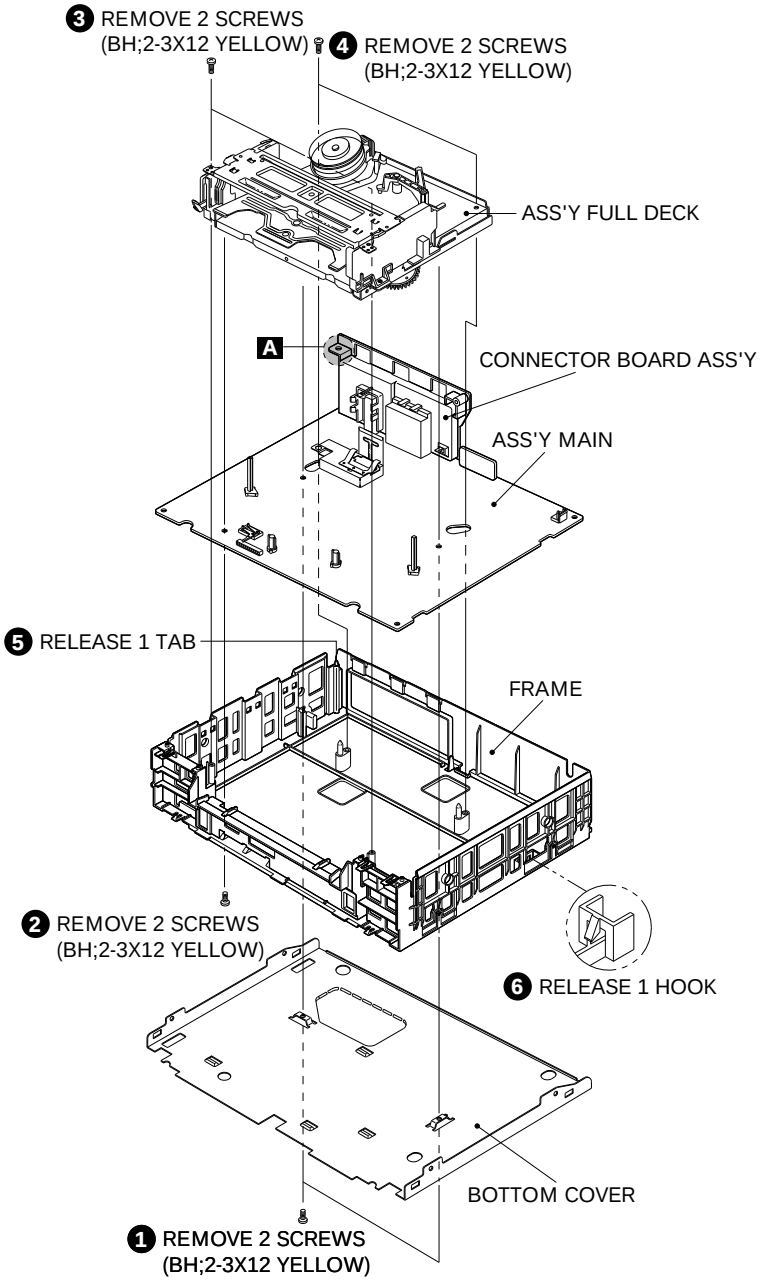


Fig. 4-5 Chassis Removal

4-2 Circuit Board Locations

SV-A20XK/SV-200X
SV-A21XK/SV-201X
SV-A30XK/SV-203X

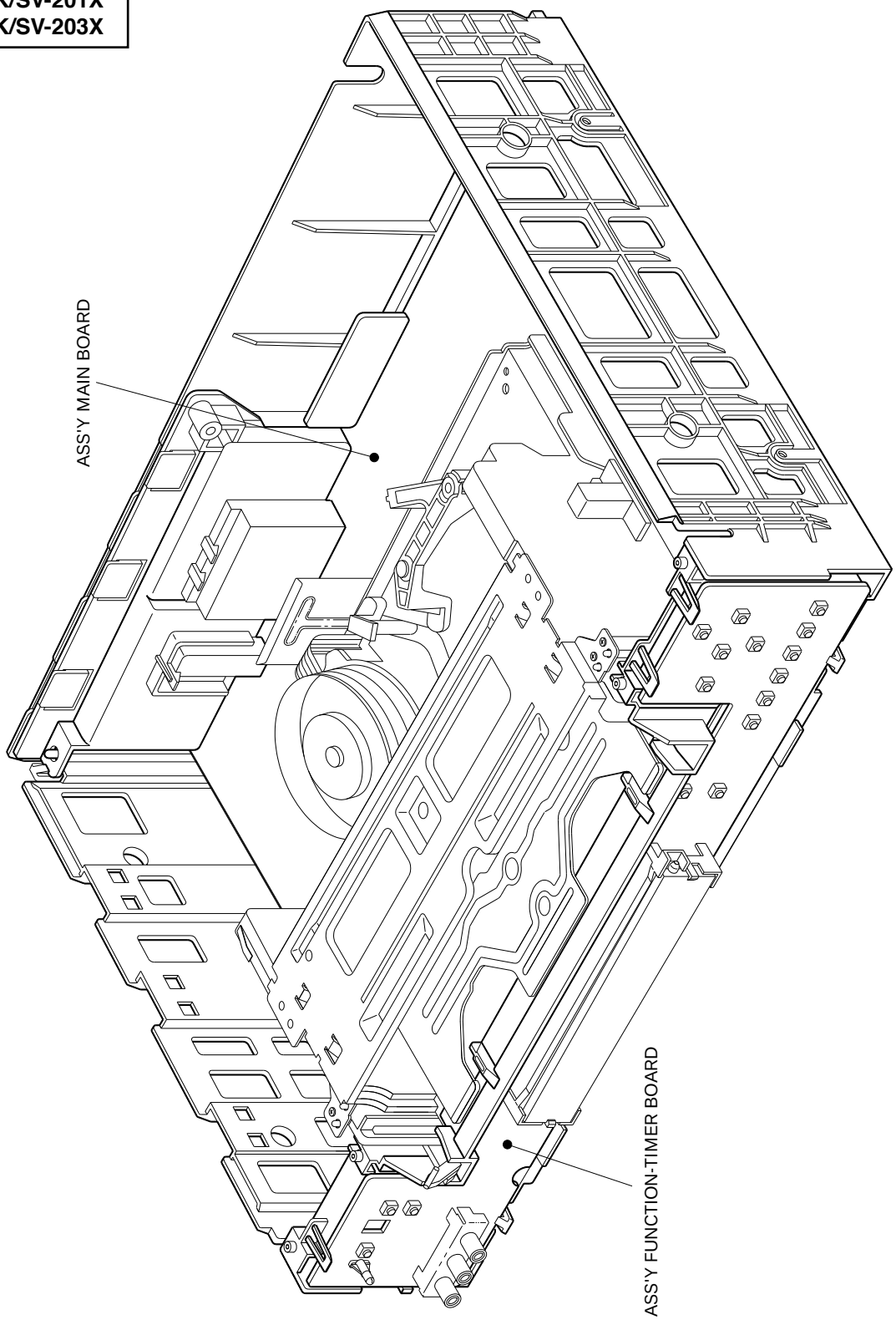


Fig. 4-6 Circuit Board Locations

SV-A40XK/SV-205X

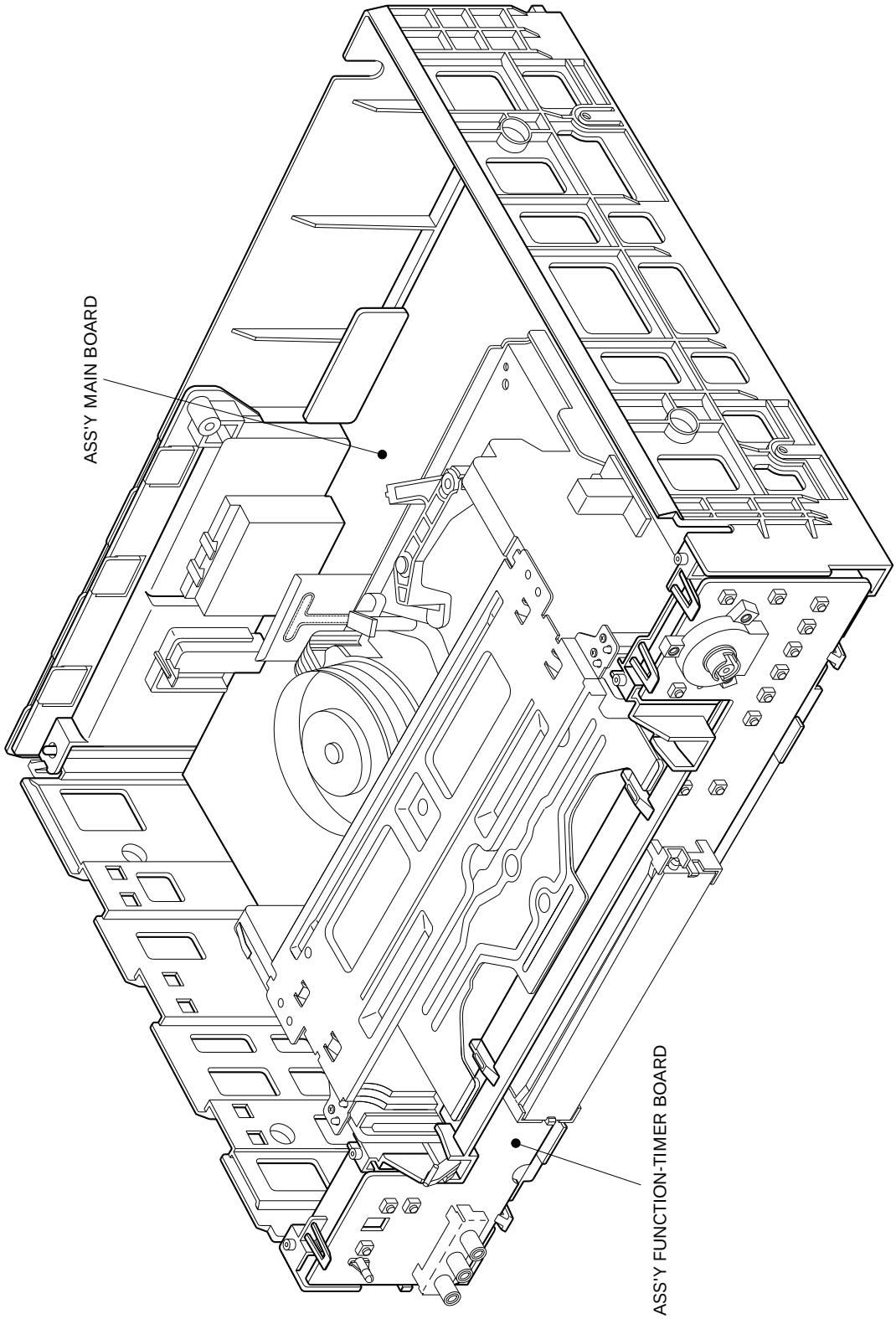


Fig. 4-6 Circuit Board Locations

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5. Alignment and Adjustment

Note : After replacing the ass'y full deck, the ass'y main, the cylinder ass'y and the micom(IC601), the remote control ass'y can be used to adjust the "X-point (tracking center) adjustment" and "Head S/W point" adjustment.

5-1 Reference

5-1-1 The type of remote control ass'y

1. Remote control ass'y (AC93-10039Y/69099-633-252) is specified as a service jig in the service manual of X-5/X-6(DX5-R/DX5-RC/DX6-R/DX6-RC) chassis. (See Fig. 5-1)
2. Normal remote control ass'y for X-7/X-8 (DX7-R/DX7-RC/DX8-R/DX8-RC) chassis. (See Fig. 5-2)

5-1-2 How to identify between normal remote control ass'y and multi remote control ass'y for X-7/X-8 chassis (See Fig. 5-2)

1. The color of some buttons related to TV function are gold.
2. Audio button is added instead of the test button hidden behind of inlay.
3. The positions of some buttons are different.

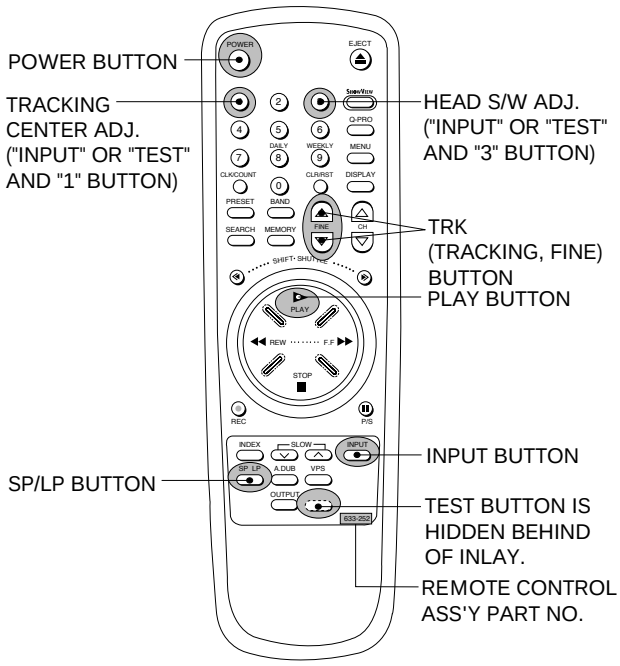

POWER BUTTON
TRACKING CENTER ADJ. ("INPUT" OR "TEST" AND "1" BUTTON)
HEAD S/W ADJ. ("INPUT" OR "TEST" AND "3" BUTTON)
TRK (TRACKING, FINE) BUTTON
PLAY BUTTON
INPUT BUTTON
SP/LP BUTTON
TEST BUTTON IS HIDDEN BEHIND OF INLAY.
REMOTE CONTROL ASS'Y PART NO.

Fig. 5-1 Remote Control Ass'y Jig for X-5/X-6 Chassis (AC93-10039Y/69099-633-252)

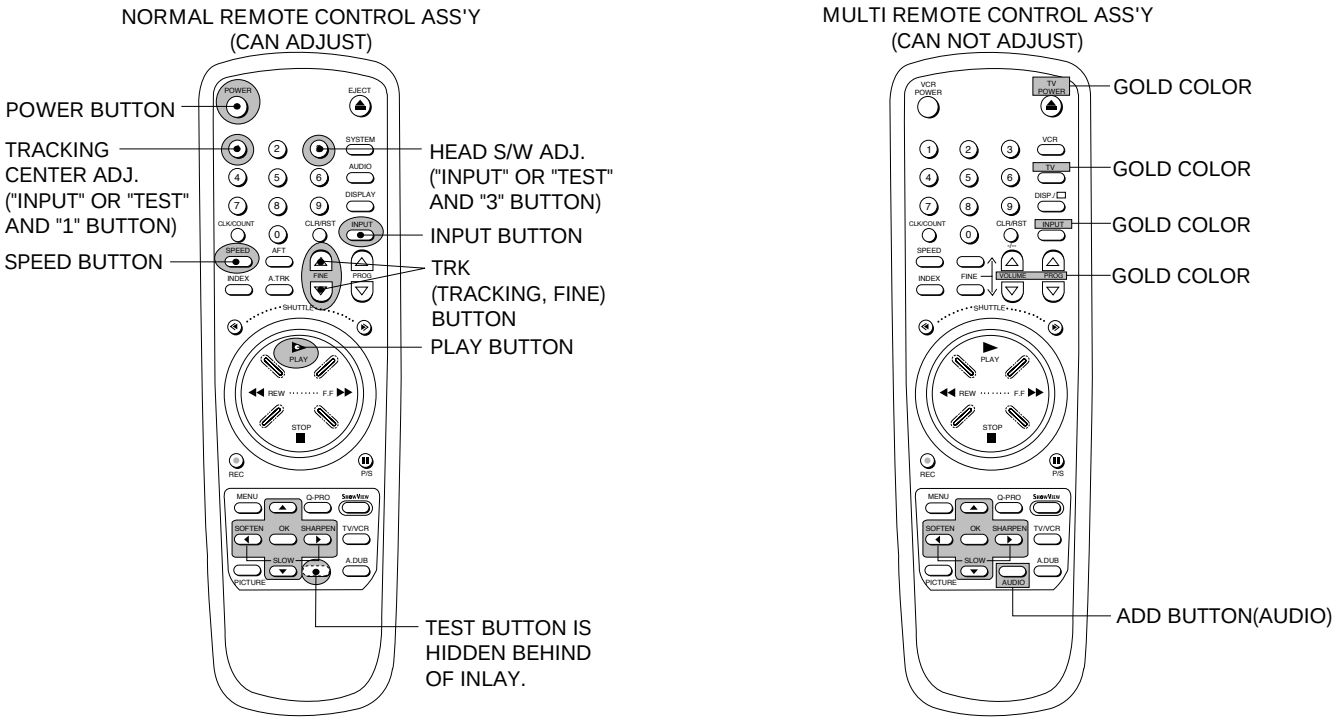

NORMAL REMOTE CONTROL ASS'Y (CAN ADJUST)
POWER BUTTON
TRACKING CENTER ADJ. ("INPUT" OR "TEST" AND "1" BUTTON)
SPEED BUTTON
HEAD S/W ADJ. ("INPUT" OR "TEST" AND "3" BUTTON)
INPUT BUTTON
TRK (TRACKING, FINE) BUTTON
PLAY BUTTON
TEST BUTTON IS HIDDEN BEHIND OF INLAY.
MULTI REMOTE CONTROL ASS'Y (CAN NOT ADJUST)
GOLD COLOR
GOLD COLOR
GOLD COLOR
GOLD COLOR
ADD BUTTON(AUDIO)

Fig. 5-2 Remote Control Ass'y for X-7/X-8 Chassis

5-2 Mechanical Adjustment

Note : Refer to the Mechanical Manual "DX7-R/DX7-RC/DX8-R/DX8-RC (AC68-20316A)" for the adjustment and confirmation of ass'y full deck.

5-2-1 The number and position of test point

Test point : TP02 (CTL Pulse)
TP03 (H'D S/W -Trigger)
TP04 (V. Envelope)
TP05 (Audio out)

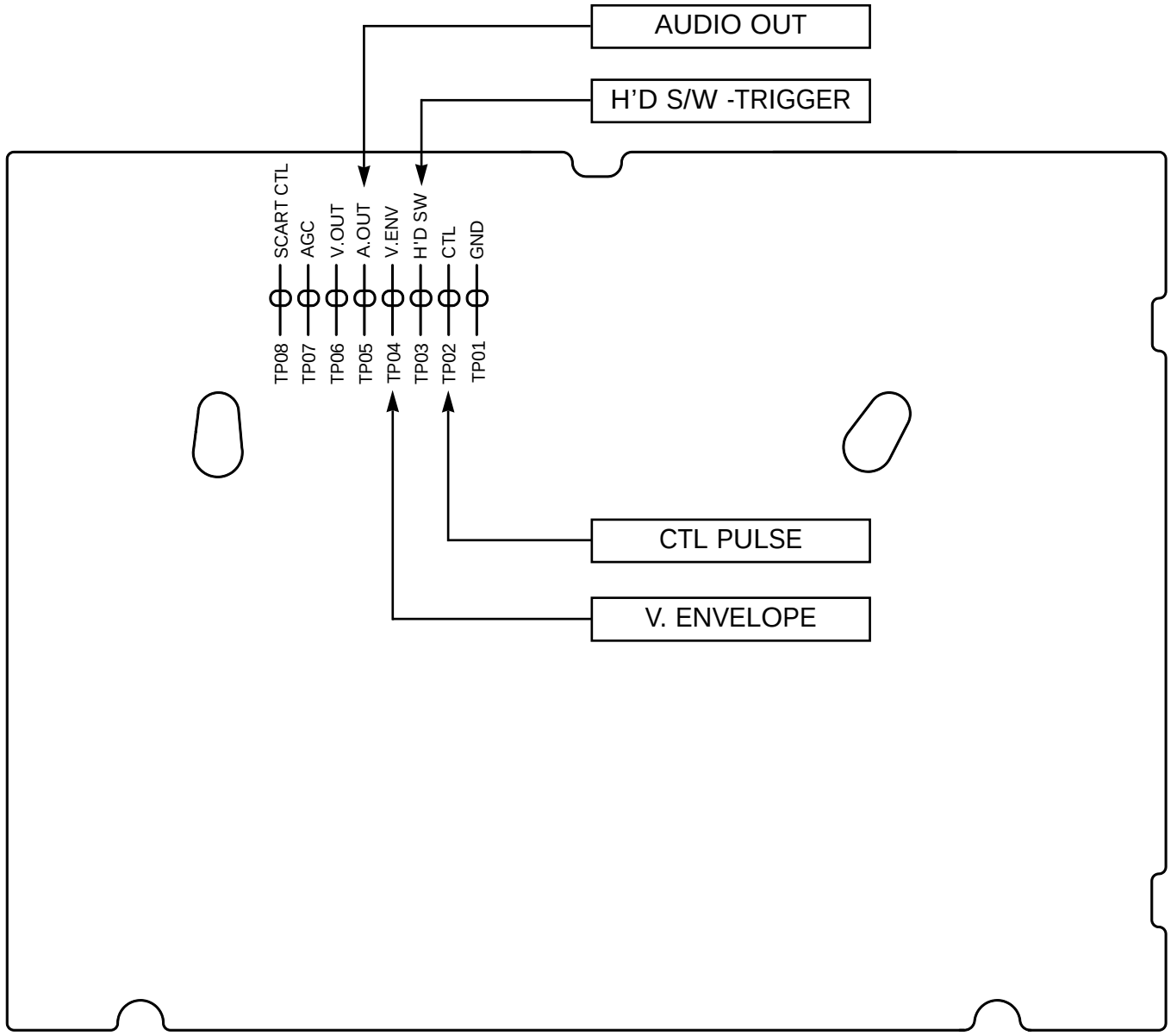


Fig. 5-3 The position of test point (Main PCB-Component side)

5-2-2 X-Point(Tracking center) adjustment (See the 2-2-1 (d) AC HEAD POSITION(X-POINT) ADJUSTMENT on page 2-3 of the mechanical manual)

5-2-2 (a) IF THE REMOTE CONTROL ASS'Y IS NOT AVAILABLE

1. Playback the colorbar alignment tape.
2. Connect CH-1 scope probe to "TP02" and CH-2 scope probe to "TP03". And then, trigger head switching pulse.
3. Set tracking preset to 15msec (2head : 0.5msec, 4head : 14.5msec) using the "**FINE(Tracking, TRK)**" button ▲ / ▼ of remote control ass'y.
4. Connect CH-1 scope probe to "TP02" and the CH-2 to "TP03" trigger on CH-1.
5. Insert the adjusting driver (+) into X-position adjusting gear. Adjust the driver in either direction for maximum envelope waveform.

Note : Since the adjusting gear unit may be damaged, do not adjust by force when adjusting the X-point using the adjusting driver (+). After turn the X-point adjusting screw (D) counterclockwise a little, perform the adjustment. After adjustment is completed, tighten the screw.

<Setting of scope>
- Volt/div. : CH-1 = 0.1V
  CH-2 = 0.2V
- Time/div. : 5msec

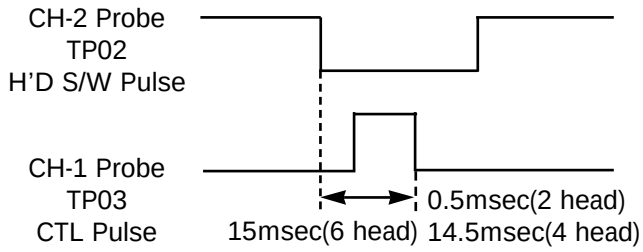


Fig. 5-4 Tracking preset adjustment

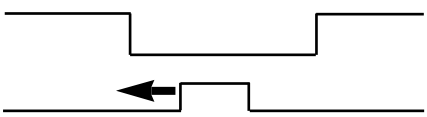
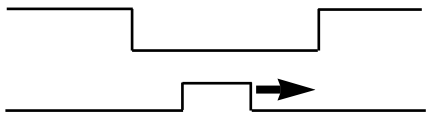
REMOTE BUTTONS	CONTROL PULSE REMOVE
PUSH ▲ TRACKING ▼	
▲ TRACKING ▼ PUSH	

Fig. 5-5 Tracking preset adjustment

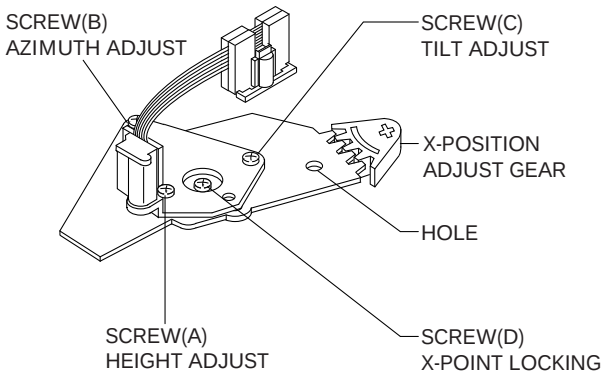


Fig. 5-6 Location of A/C Head adjustment screw

5-2-2 (b) IF THE REMOTE CONTROL ASS'Y (AC93-10039Y/69099-633-252) IS AVAILABLE

Note : How to use the "**TEST**" button.
1. Disattach the inlay of remote control ass'y. (See Fig. 5-1 and Fig. 5-2)
2. Press the "TEST" button with the pincers and the precise driver as shown in Fig. 5-1 and 5-2)

1. When using the "**INPUT**" button of remote control ass'y;

1) Simultaneously press the "**INPUT**" button and "**1**" button in PB mode.
   This will adjust the tracking center automatically.
2) Set the tracking preset using the "**FINE**(**Tracking, TRK**)" button of remote control.
3) After adjustment is completed, press the "**POWER**" button to release.

2. When using the "**TEST**" button of remote control ass'y ;

1) Simultaneously press the "**TEST**" button and "**5**" button in PB mode.
   This will adjust the tracking center automatically.
2) Set the tracking preset using the "**FINE** (**Tracking, TRK**) button of remote control.
3) After adjustment is completed, press the "**POWER**" button to release.

5-2-2 (b) IF THE NORMAL REMOTE CONTROL ASS'Y OF X-7/X-8(DX7-R/DX7-RC/ DX8-R/DX8-RC) CHASSIS IS AVAILABLE

Note 1 : Two kinds of remote control ass'y are used for X-7/X-8(DX7-R/DX7-RC/DX8-R/ DX8-RC) chassis.

1. One is a normal remote control ass'y, the other is a multi remote control ass'y
2. All adjustments are adjusted by normal remote control ass'y only.
3. For the identification of normal remote control ass'y and multi remote control ass'y, See page 5-1.

Note 2 : How to use the "**TEST**" button.

1. Disattach the inlay of remote control ass'y. (See Fig. 5-1 and Fig. 5-2)
2. Press the "TEST" button with the pincers and the precise driver as shown in Fig. 5-1 and 5-2)

1. When using the "**INPUT**" button of remote control ass'y;

1) Simultaneously press the "**INPUT**" button and "**1**" button in PB mode.
   This will adjust the tracking center automatically.
2) Set the tracking preset using the "**FINE**(**Tracking, TRK**)" button of remote control.
3) After adjustment is completed, press the "**POWER**" button to release.

2. When using the "**TEST**" button of remote control ass'y ;

1) Simultaneously press the "**TEST**" button and "**5**" button in PB mode.
   This will adjust the tracking center automatically.
2) Set the tracking preset using the "**FINE** (**Tracking, TRK**) button of remote control.
3) After adjustment is completed, press the "**POWER**" button to release.

5-3 Electrical Adjustment

5-3-1 Head S/W Adjustment

Note : Only remote control ass'y can adjust.

5-3-1 (a) IF REMOTE CONTROL ASS'Y (AC93-10039Y/69099-633-252) IS AVAILABLE

1. When using the "**INPUT**" button of remote control ass'y ;

1) Insert an SP tape into the housing ass'y.
2) Set the unit to stop mode.
3) Press the "**INPUT**" button and "**3**" button simultaneously.
4) Press the "**PLAY**" button.
5) This will adjust the head S/W point adjustment automatically.
6) After the adjustment is completed, press "**POWER**" button to release.

2. When using the "**TEST**" button of remote control ass'y ;

1) Insert an SP tape into the housing ass'y.
2) Set the unit to stop mode.
3) Press the "**TEST**" button and "**SP/LP**" button simultaneously.
4) Press the "**PLAY**" button.
5) This will adjust the head S/W point adjustment automatically.
6) After adjustment is completed, press the "**POWER**" button to release.

5-3-1 (b) IF NORMAL REMOTE CONTROL ASS'Y FOR X-7/X-8(DX7-R/DX7-RC/ DX8-R/DX8-RC) CHASSIS IS AVAILABLE

1. When using the "**INPUT**" button of remote control ass'y ;

1) Insert an SP tape into the housing ass'y.
2) Press the "**PLAY**" button.
3) Press the "**INPUT**" button and "**3**" button simultaneously.
4) This will adjust the head S/W point adjustment automatically.
5) After the adjustment is completed, press "**POWER**" button to release.

2. When using the "**TEST**" button of remote control ass'y ;

1) Insert an SP tape into the housing ass'y.
2) Press the "**PLAY**" button.
3) Press the "**TEST**" button and "**SPEED**" button simultaneously.
4) This will adjust the head S/W point adjustment automatically.
5) After adjustment is completed, press the "**POWER**" button to release.

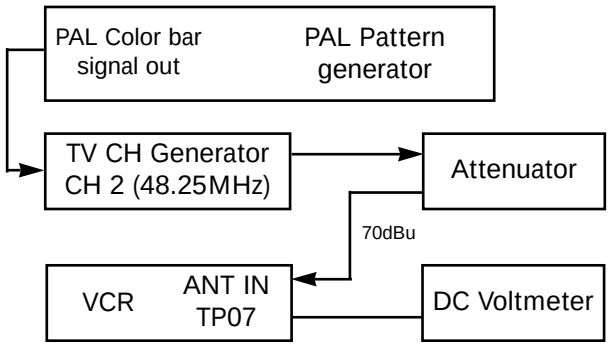
5-3-2 RF AGC Adjustment

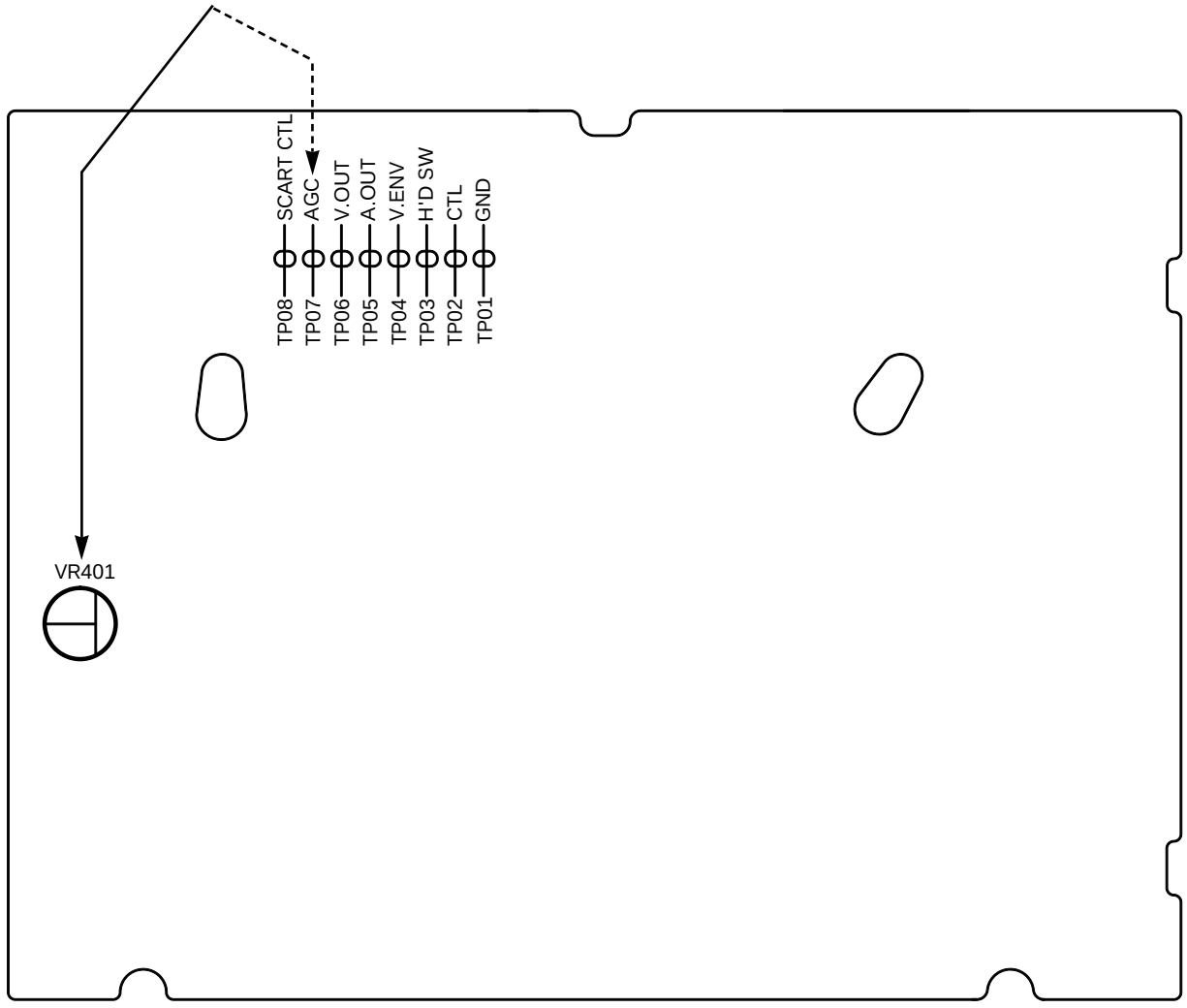
Step	Adjustment Item
1. Mode and input signal/ alignment tape 2. Test point and ADJ. part 3. Result and Remarks	ADJ. point Test point

5-3-2 (a) ADJUSTMENT PROCEDURES

1. "E-E" (stop mode), RF signal.
2. TP07 and VR401.
3. Apply PAL color bar signal to the video input terminal of the TV channel generator and set channel selector to CH 2 (48.25MHz).
4. Adjust the point signal level so that the output of attenuator is 70dBu.
5. Apply the output of attenuator to the ANT IN terminal of VCR.
6. Set the channel of VCR to CH 2.
7. Connect DC voltmeter to TP07.
8. Adjust VR401 for DC 3.7 ± 0.1V.

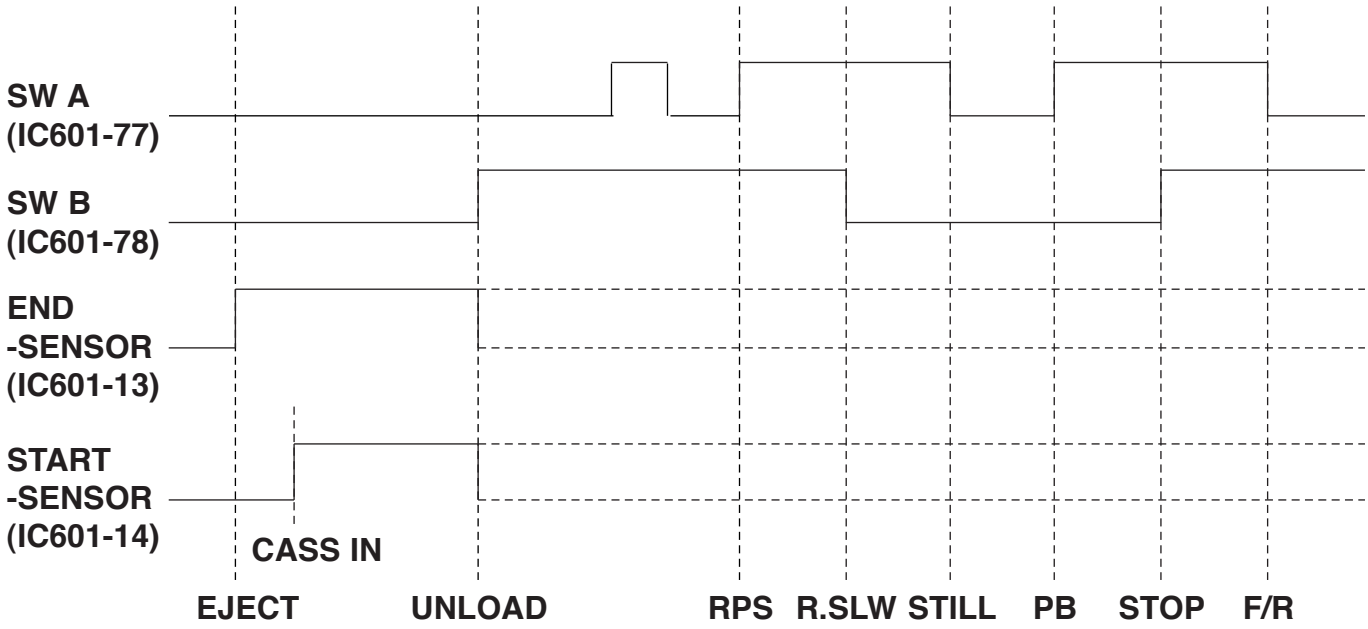
*** Composition for RF AGC adjustment**





Main PCB (Component side)

5-4 Timing Chart of Program S/W



Position	Program S/W (SW601)				Action Mode
	E/S	E/S	E/S	E/S	
Eject	L	L	L	L	Eject
Cassette IN	H	L H	L	L	Cassette IN
Unload	-	-	L	L H	Unload
R. PS	-	-	L H	H	R. PS, Z-R. PS
R. Slow	-	-	H	H L	Pinch Roller off Position
Still	-	-	H L	L	Still, Slow, F-ADV
Play	-	-	L H	L	PB, T-Stop, REC, Pause, F. PS, Z-FPS
Stop	-	-	H	L H	Stop, Power off
FF/REW	-	-	H L	H	FF, REW

MEMO

6. Exploded View and Parts List

Page

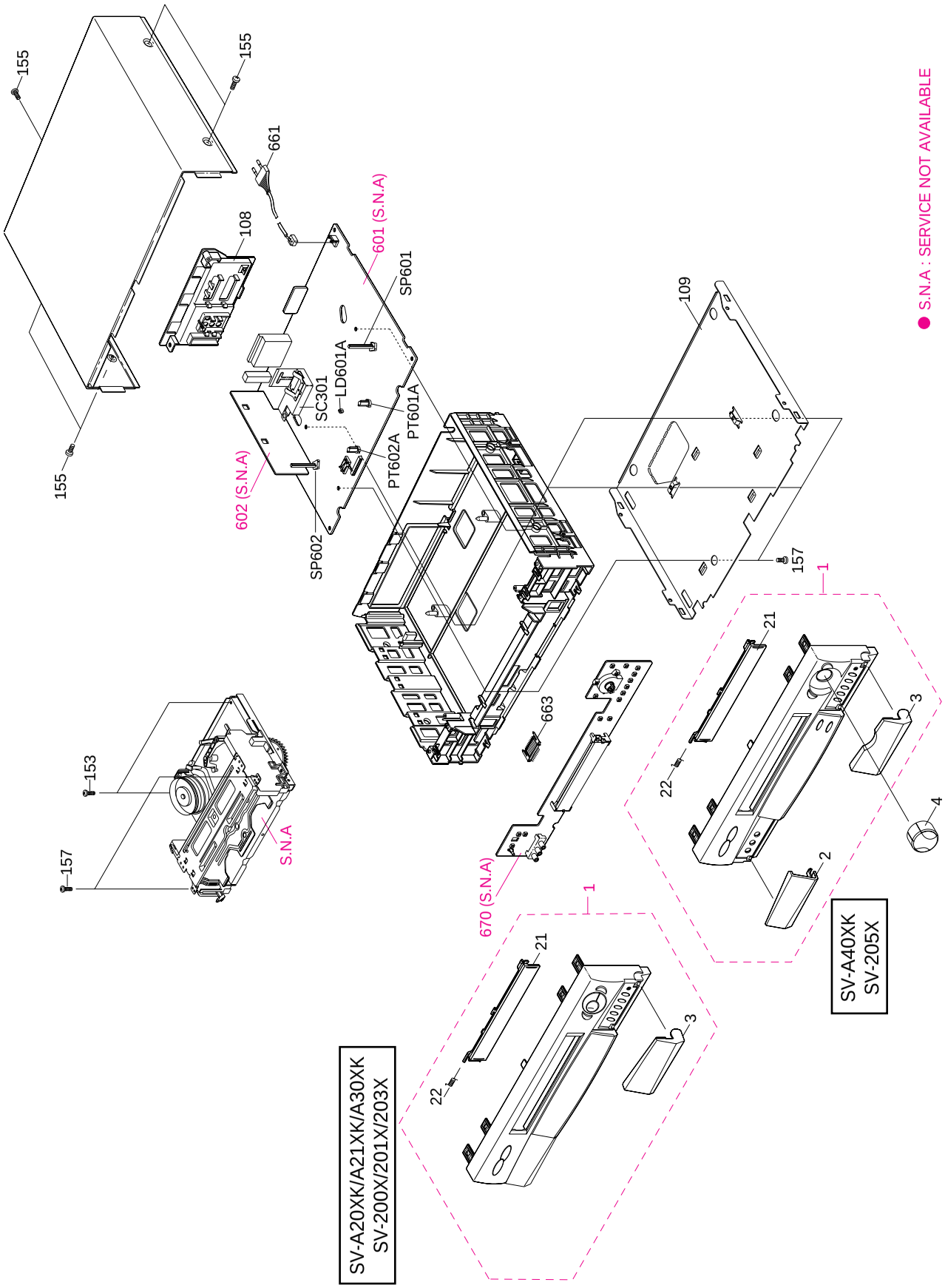
6-1 Cabinet Assembly - 6-2

6-2 Mechanical Parts (Top Side) - - - - - - - - - - - - - - - - - 6-4

6-3 Mechanical Parts (Bottom Side) - - - - - - - - - - - - - 6-6

6-4 Housing Assembly - 6-8

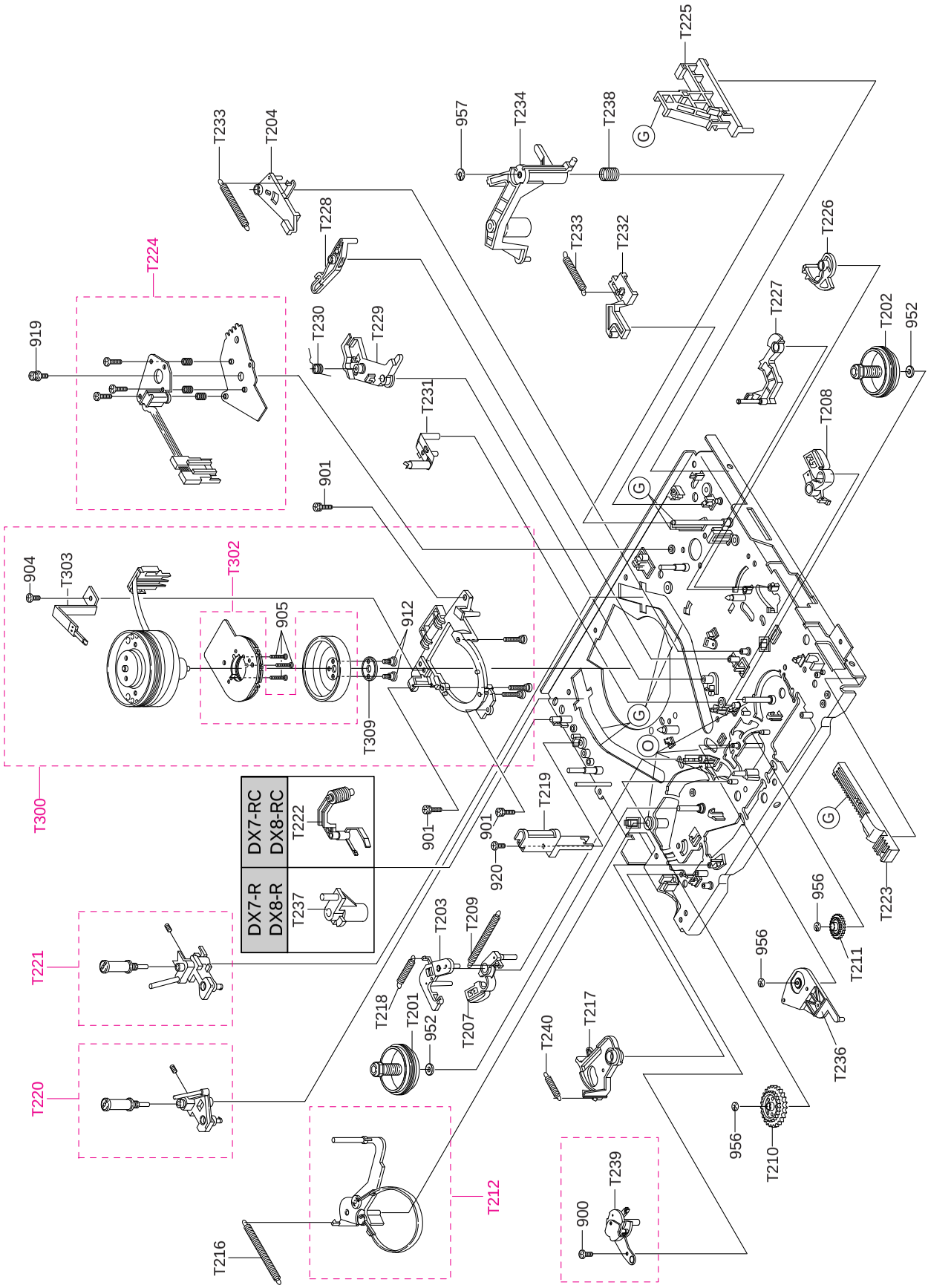
6-1 Cabinet Assembly



Loc. No	New Part No	Description and Specification	Remark
-	DO NOT ORDER	ASSY-FULL DECK (DX7-R)	(S.N.A)
1	AC98-11208J	ASSY-PANEL FRONT;SV-A30XK/SEG,IS PAL 2HD,D1	SESA LOCAL
3	AC64-50886F	DOOR-FRONT(R);SV-A30XK/SEG,ABS94,HB,-,-,GRY,	SESA LOCAL
4	AC64-10856A	KNOB-SHUTTLE;ABS94,HB,GRY **(SV-A40XK/SV-205X ONLY)**	SESA LOCAL
21	AC64-50883B	DOOR-CASSETTE;-,ABS,HB,-,GRY,-,-,SV-A30XK/SE	SESA LOCAL
22	AC61-62003A	SPRING;-,SUS304,(GE/RCA),-,-,-,-	SESA LOCAL
108	AC61-10972K	CONNECTOR BOARD-ASSY;SV-A70XK,HIPS94,HB,T2.5,L20	SME LOCAL
109	AC63-32126A	COVER-BUTTOM;SV-D140F,-	SME LOCAL
153	AC60-12126A	SCREW-BH;-,BH,-,4*12,FE,FZY,-,-,-	
155	AC60-12134A	SCREW-TAP BH;-,BH,-,2-4X16,-,FE	
157	AC60-10063A	SCREW-TAPTITE;BH,+,-,M3,L12,ZPC3,SWRCH18A	
601	DO NOT ORDER	ASSY-MAIN	(S.N.A)
661	AC39-10019A	POWER CORD;KKP-419C,H03VVH2-F,VDE/KEMA-KE	SESA LOCAL
663	3711-002603	CONNECTOR-HEADER;NOWALL,20P,1R,1.5MM,STRAIGHT,SN	
670	DO NOT ORDER	ASSY-FUNCTION	(S.NA.)
LD601A	AC61-22345A	HOLDER-LED;POM,-,-,-,-,-	SME LOCAL
PT601A	AC61-22344A	HOLDER-PHOTO;POM,-,-,-,-,-	SME LOCAL
PT602A	AC61-22344A	HOLDER-PHOTO;POM,-,-,-,-,-	SME LOCAL
SC301	AC98-12023J	ASSY-SH/CASE TOP;SV-A140F,IS-PAL ASSY S/C TOP	SME LOCAL
SP601	AC61-22321A	HOLDER-TR;POM,-,-,-,-,-	SME LOCAL
SP602	AC61-22321A	HOLDER-TR;POM,-,-,-,-,-	SME LOCAL

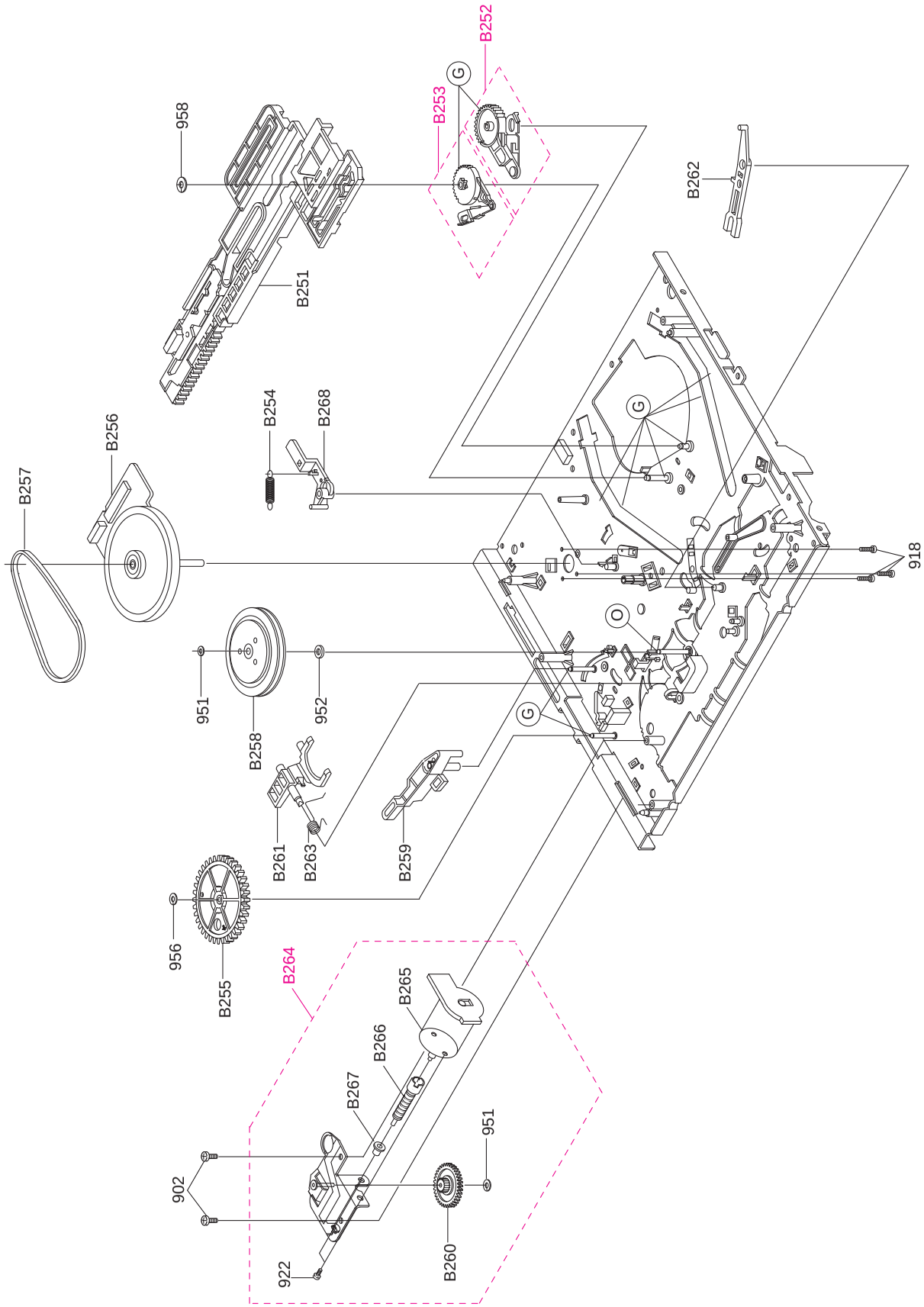
Note : Location number 1, 3,21 are only for model SV-A30XK/SEG, SV-203X/SEG.
Please, refer to the separate information for the other models combind.

6-2 Mechanical Parts (Top Side)



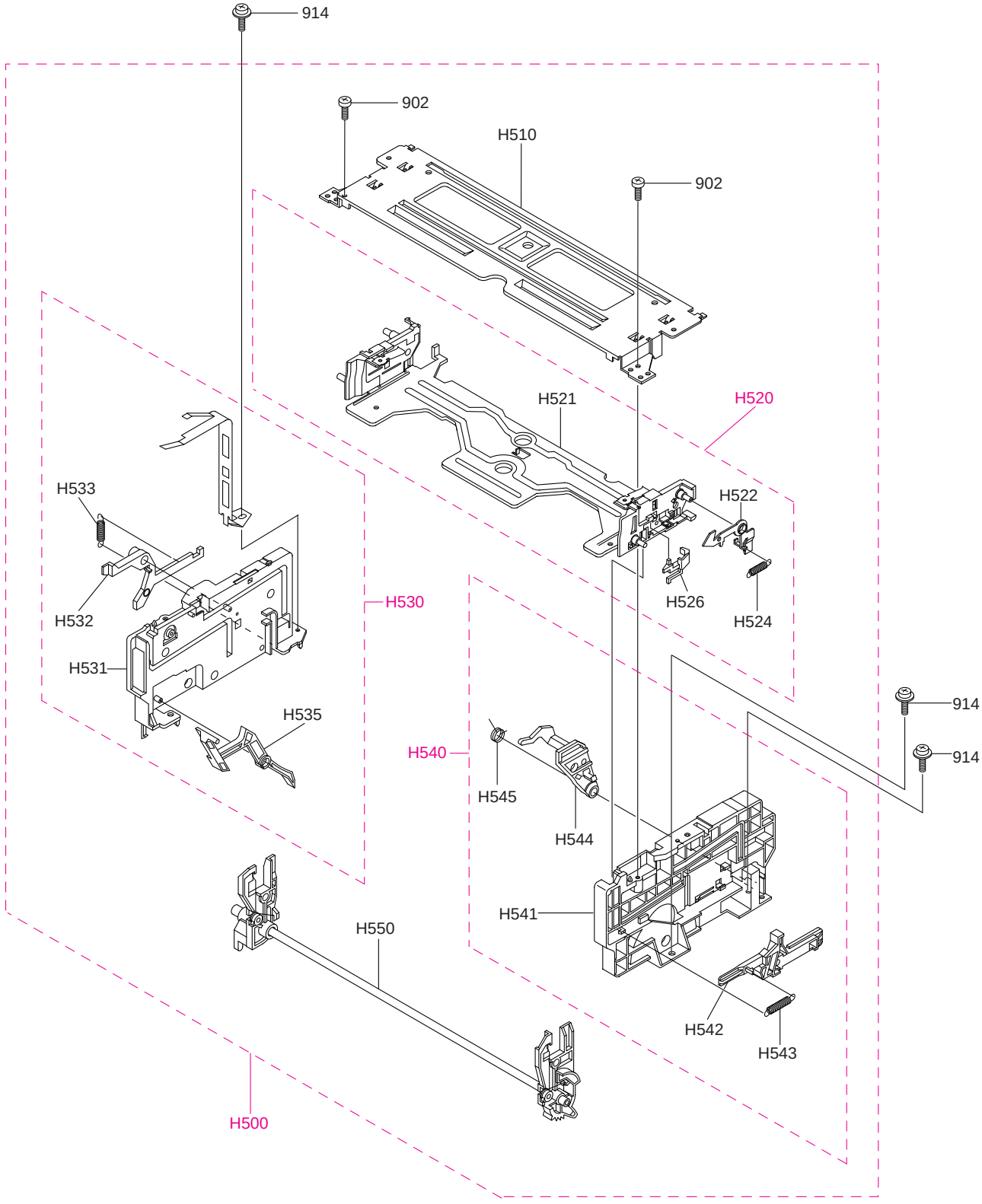
Loc. No	New Part No	Description and Specification	Remark
900	AC60-12091A	SCREW-MACHINE;FP,BH,-,M3,L4,SWRCH10A,YEL ROB	
901	AC60-10012A	SCREW-MACHINE;BH,+,M3,L8,-,FE,-,-,-	
904	AC60-12125A	SCREW-PH;-,-,-,M3X6 TAP TITE,-,-,-,-,-	
905	AC60-12096A	SCREW-MACHINE;FP,PH,-,M2.6,X10,SWRCH1-A,YEL	
912	67094-604-710	SCREW-DAMPER;M2.0X7.0 SWCM 10(MFZN2-C)	
919	AC60-10004A	SCREW-MACHINE;BH,+,M3,L8,ZPC,SWRCH18A,-,-,-	
920	AC60-10007A	SCREW-TAPPING;BH,+,M2.6,L12,-,SWRCH18A,-,-,-	
952	AC60-30018A	WASHER-PLAIN;PLAIN,M3.2,D6,T0.5,POLYSLIDER,	
956	AC60-30007A	WASHER-SLIT;PLAIN,ID2.5,OD7,T0.5,SPC1,-,-	
957	AC60-30008A	WASHER-SLIT;-,ID3.5,OD9,T0.5,SPC1,-,-	
T201	AC66-10023A	REEL-DISK L ASSY;POM,-,PACKAGE,X-5,-	
T202	AC66-10022A	REEL-DISK R (ASSY);POM,-,PACKAGE,X-5,-	
T203	AC66-30474A	BRAKE-SUB L;-,PBT,-,-,-,X-5/IS	
T204	AC66-30148A	BRAKE SUB R-ASSY;PBT,-,-,-,X5,-	
T207	AC66-30475A	BRAKE-MAIN L ASS'Y;-,POM+PELT,-,-,-,X-5/IS	
T208	AC66-30476A	BRAKE-MAIN R ASS'Y;-,POM+PELT,-,-,-,X-5/IS	
T209	AC61-60112A	SPRING- BRAKE MAIN;ES,SUS304WPB,PI0.35,ID2.8,OD4.	
T210	AC66-20073A	GEAR RELAY S-ASSY;-,PEBAX,M0.5,M48,SP,X5,-	
T211	AC66-20037A	GEAR- RELAY T;PEBAX7033,X-5,Z39,GEAR-SPUR,D1	
T212	AC66-30073A	ARM-TENSION ASSY;-,-,-,CKD,DX5-R,-	
T216	AC61-60119A	SPRING TENSION;ES,SWPB,PI0.35,ID2.1,L33(OD3.8),-,	
T217	AC66-30470A	LEVER-REC S/W;-,PBT #3300,T4.0,L32,-,(X-5/IS	
T218	AC61-62017A	SPRING-SUB BRAKE L;ES,SUS304,PI0.23,D3.5,L14.8,-,	
T219	AC33-10003P	HEAD- MAGNET F/E;MH131S,-,-,-,L51.05XW7.4XH12.3	
T220	AC66-82050A	SLIDER-G/R ASSY(S);-,-,-,-,X-5	
T221	AC66-82059A	SLIDER-G/R ASSY T;-,-,-,-,X-7(VW-31H)	
T222	AC33-10002E	HEAD-CLEANER;-,-,-,-,-,X-5	(OPTIONAL)
T223	AC66-20065A	RACK-HOUSING;L74.29,POM M90-44,BLK,M1,3.14,	
T224	AC33-10215A	HEAD-ACE ALL ASSY;-,X-7,-,-,-	
T225	AC66-80005A	SLIDER-PINCH;POM(M90-44),T2,L54.35,NAT,DX-5	
T226	AC66-30014A	LEVER-REVIEW;ZYTEL(70G-43L),T3.8,-,PCD25.6,	
T227	AC66-30099A	ARM REVIEW CKD;-,-,-,-,DX5-RV,-	
T228	AC66-30013A	LEVER-PINCH CAM;PBT 6300T,-,L45,W9,X-5,-	
T229	AC66-30003A	LEVER PINCH COUP;PBT 3300,T7.5,L45.25,-,-,X-5	
T230	AC61-60116A	SPRING- PINCH COMP;TS,SWPB,PI1.0,D6,L38(OD8),-,-	
T231	AC67-32001A	PRISM-LED;PMMA,D5,IF-850,-,-,-	
T232	AC66-82049A	SLIDER-PUSH;LUPOX 2150,T2,-,NTR,-	
T233	AC61-62016A	SPRING-SLIDE PUSH;ES,SUS304WPB,PI0.55,D3.55,L24.	
T234	AC59-90001B	UNIT-PINCH ROLLER;X-5,-,YAMAUCHI	
T236	AC66-10010A	IDLER-ASSY;PACKAGE,-,X-5,-	
T237	AC61-40054A	STOPPER-TAPE;POM M90-44,OD7,T1.5,NTR,X-5,-	(OPTIONAL)
T238	AC61-60132A	SPRING ARM PINCH;CS,SUS304WPB,PI0.4,D7.1,OD7.9,	
T239	AC66-30132A	LEVER JOG-ASSY;-,-,-,-.X5,-	(DX8-R/RC ONLY)
T240	AC61-60505A	SPRING-REC S/W;-,ES,SUS304 WPB,PI0.29,PI3.5,-	
T300	AC96-10010E	ASSY-CYLINDER;CX5-S2P,-	
T302	AC31-12001M	MOTOR-CYLINDER;E20XL03,-,-	
T303	AC33-12004S	HEAD-BRUSH(ASSY);SECC20/20+CARBON,-,-,-,-	
T309	AC73-12001A	RETRINER-RUBBER(ASSY);SECC+SILICON,-,-,-	

6-3 Mechanical Parts (Bottom Side)



Loc. No	New Part No	Description and Specification	Remark
902	AC60-10051A	SCREW-TAPPING;BH,-,-,M3,L8,FZY	
918	AC60-10006A	SCREW-MACHINE;BH,+I90,M2.6,L7,ZPC,SWRCH18A,-	
922	67008-130-171	SCREW PH;+M3X3 FE FZY	
951	AC60-30025A	WASHER-SLIT;-,ID2.5,OD5.0,T0.5,POLY SLIDE,	
952	AC60-30018A	WASHER-PLAIN;PLAIN,M3.2,D6,T0.5,POLYSLIDER,	
956	AC60-30007A	WASHER-SLIT;PLAIN,ID2.5,OD7,T0.5,SPC1,-,-	
958	AC60-30028A	WASHER-SLIT;-,D2.5,D9.0,T0.5,NUMIRROR,-,-	
B251	AC66-80001A	SILDER- MAIN;PBT2002K,T12.4,L206.2,NAT,DX-5	
B252	AC66-20019A	GEAR-LOADING L ASSY;-,-,-,PACKAGE,-,X-5,-	
B253	AC66-20069A	GEAR LOADING R;-,-,-,-,-,X5,-	
B254	AC61-60115A	SPRING-BRAKE CAPSTAN;ES,SUS304WPB,PI0.4,D22,L16.1(	
B255	AC66-20004A	GEAR-MASTER;POM (M90-44),M 1,Z 60,SP,-,X-5	
B256	AC31-12003A	MOTOR-D.D CAPSTAN;F2QTB26,250MAX,-	
B257	AC66-62007A	BELT-CAPSTAN;5CM-70 FR,W2 T2 L88.6,-,-,-,-	
B258	AC66-20066A	CLUTCH-ASSY;-,-,-,-,-,X5,-	
B259	AC66-32185A	LEVER-SLIDER PINCH;PBT,T4,NAT,-,-,-	
B260	AC66-20016A	GEAR- WORM WHEEL;POM SW-01,M0.55/M1,Z57/Z10,GEA	
B261	AC66-30011A	LEVER- SHIFT;PBT2002K,T10.9,L35,-,-,-	
B262	AC66-30012A	LEVER- IDELR CHANGE;PBT330,T3.3,L50,-,W6.0,-	
B263	AC61-60111A	SPRING-LEVER SHIFT;TS,SWPB,PI0.7,D5.5,L13.8(OD6.9	
B264	AC59-90001A	UNIT-LOADING ASSY;X-5,-,-	
B265	66823-0060-00	MOTOR-LOADING ASSY;POM+RF370C X-5	
B266	AC66-20039A	GEAR- WORM LO;PBT 2002K,-,-,-,D4.5,3,-	
B267	AC61-20224A	HOLDER SHAFT;POM M90-44,T1.25,NAT,PI5XH5.5,	
B268	AC66-30149A	BRAKE CAPSTAN-ASSY;POM,-,-,-,X5,-	

6-4 Housing Assembly



Loc. No	New Part No	Description and Specification	Remark
902	AC60-10051A	SCREW-TAPPING;BH,-,-,M3,L8,FZY	
914	AC60-10067A	SCREW-TAPTITE;PWH,+,-,M3,L8,MFZN2-C,SWCH1018	
H500	AC61-82014A	HOUSING-ASSY;-,X7FL26280A,230X130X60,-,X-7	
H510	AC61-10006A	CHASSIS- UPPER;SECC 20/20,-,T1.0,BLK,-,X5,-	
H520	AC61-20932A	HOLDER-CASSETTE ASSY;-,X5FL06080A,-,-,-,X-7	
H521	AC61-20922A	HOLDER-CASSETTE;-,SECC T1.2,-,NAT,-,(X-5/IS)	
H522	AC66-30018A	LEVER-LOCK R;SECC 20/20,T1.2,L44,W32,-,-	
H524	AC61-60121A	SPRING-LEVER LOCK;ES,SUS304 WPB,PI0.2,D2.6,L9.9(	
H526	AC66-30019A	LEVER-KEY CASSETTE;LUCEL N109-LD,T2.5,L20,W15.2,-	
H530	62203-0105-00	CHASSIS-SIDE L(ASSY);ABS X5FL0505A X-5	
H531	AC61-10004A	CHASSIS- SIDE L;ABS HF-380,-,T10,BLK,-,X5,BLK	
H532	AC66-30004A	LEVER- LIGHT SHUTTER;LUCEL N109-LD,T2.5,L61.7,BLK,	
H533	AC61-60142A	SPRING- LIGHT;ES,SUS304WPB,PI0.2,L11.4(OD3.7	
H535	AC66-30017A	LEVER- DOOR;LUCELN109-LD,T5,L74.3,W21.1,-,	
H540	62203-0104-00	CHASSIS-SIDE R(ASSY);ABS X5FL0505A X-5	
H541	AC61-10003A	CHASSIS- SIDE R;ABS HF-380,-,T10,BLK,-,X5,BLK	
H542	AC66-80008A	SLIDER DAMPER;LUCEL N109-LD,T4,L87,-,-,-	
H543	AC61-60120A	SPRING-SLIDE DAMPER;ES,SUS 304WPB,PI0.4,D3.8,L25(O	
H544	AC66-30016A	LEVER- LID OPENER;LUCEL N109-LD,T5.0,L34.7,W16.6	
H545	AC61-60123A	SPRING-LID OPENER;TS,SWPB,PI0.55,D8.9,L15(OD10),	
H550	61403-0073-00	SHAFT-ARM(ASSY);SUM24L X5FL0405A X-5	

MEMO

7. Electrical Parts List

Note : 1. According to the change of Part-No system, old and new parts are listed in this service manual together. When ordering a service part, be sure to use the only new part.

Loc. No	New Part No		Description and Specification	Remark
601	**DO NOT ORDER**		**ASSY-MAIN A**	**(S.N.A)**
SMPS/POWER PARTS				
C1P02	2301-000383		C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
C1P03	2401-001954		C-AL;4.7UF,20%,50V,GP,BK,5X11MM,5	SME LOCAL
C1P04	2401-001975		C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C1P05	2401-001511		C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C1P06	2401-001915		C-AL;1UF,20%,50V,GP,TP,3X5,1MM	
C1P09	2401-001912		C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C1P10	2202-000797		C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C1S03	2305-001021	⚠	C-FILM,MPEF;100NF,20%,275V,TP,17.5X7X13.5,	
C1S04	2305-001021	⚠	C-FILM,MPEF;100NF,20%,275V,TP,17.5X7X13.5,	
C1S05	2201-000808	⚠	C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,TP,12X7.5,7	
C1S06	2201-000934	⚠	C-CERAMIC,DISC;3.3NF,20%,400V,Y5P,TP,18X8,10	
C1S08	2401-001957	⚠	C-AL;47.0UF,20%,400V,GP,TP,18X25,7.	SME LOCAL
C1S09	2201-000934		C-CERAMIC,DISC;3.3NF,20%,400V,Y5P,TP,18X8,10	
C1S10	2201-000915		C-CERAMIC,DISC;100PF,10%,1KV,Y5P,TP,6X5,5	SME LOCAL
C1S16	2201-000796		C-CERAMIC,DISC;10NF,10%,50V,Y5P,TP,6.5X3,5	
C1S21	2401-000905		C-AL;22UF,20%,16V,BP,-,6X11,2.5MM	
C1S22	2301-000361		C-FILM,PEF;1.2NF,10%,50V,TP,-,5MM	
C1S23	2301-000442		C-FILM,PEF;4.7NF,10%,50V,TP,5.5X7X3MM,5MM	
C1S30	2401-000385		C-AL;10UF,20%,100V,GP,-,6.3X11,2.5M	SME LOCAL
C1S31	2401-001134		C-AL;330UF,20%,35V,WT,TP,10X16,5MM	SME LOCAL
C1S32	2401-001998		C-AL;1000UF,20%,25V,GP,TP,10X20,5MM	
C1S33	2401-000306		C-AL;100UF,20%,25V,GP,TP,6.3X11MM,2	
C1S34	2401-000118		C-AL;1000UF,20%,10V,GP,TP,10X12.5,5	
C1S35	2401-000306		C-AL;100UF,20%,25V,GP,TP,6.3X11MM,2	
C1S36	2401-001583		C-AL;47UF,20%,50V,WT,TP,6.3X11,2.5M	
C1S37	2401-001374		C-AL;470UF,20%,16V,WT,TP,10X12.5,2.	SME LOCAL
C1S38	2301-000129		C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL
C1S39	2301-000383		C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
CN1S1	3711-000178	⚠	CONNECTOR-HEADER;1WALL,2P,1R,3.96MM,STRAIGHT,SN	SME LOCAL
D1P01	0402-000127		DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
D1P02	0402-000127		DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
D1P03	0402-000127		DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
D1P06	0401-000101		DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D1P20	0402-000127		DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
D1S01	0402-001009	⚠	DIODE-RECTIFIER;1SR139,600V,1A,MSR	
D1S02	0402-001009	⚠	DIODE-RECTIFIER;1SR139,600V,1A,MSR	
D1S03	0402-001009	⚠	DIODE-RECTIFIER;1SR139,600V,1A,MSR	
D1S04	0402-001009	⚠	DIODE-RECTIFIER;1SR139,600V,1A,MSR	
D1S05	0402-000378		DIODE-RECTIFIER;EG01C,1000V,500MA,DO-41	SME LOCAL
D1S07	0402-001013		DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41	
D1S08	0401-000101		DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D1S30	0402-001013		DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41	
D1S31	0402-001013		DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41	
D1S34	0402-001013		DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41	
D1S35	0402-001013		DIODE-RECTIFIER;1SR153-400,400V,800MA,DO-41	

Loc. No	New Part No		Description and Specification	Remark
D1S41	0402-001069		DIODE-RECTIFIER;RL10Z,200V,2A,DO,TP	
D1S43	0402-001069		DIODE-RECTIFIER;RL10Z,200V,2A,DO,TP	
F1S01	A3065-0157	⚠	FUSE;FST 250V 1.6A 20MM SEMKO S505 C	
IC1P01	AC14-12001E		IC;KA7809,-,-	SME LOCAL
IC1S2	B4161-0030	⚠	PHOTO-COUPLER;PS2561-1 ST DIP	
IC1S3	AC14-12006D	⚠	IC;KA431Z,TO-92,TAPING	SME LOCAL
L1S01	AC29-30050A	⚠	FILTER-LINE NOISE;-,400UH,-,250V,-	
L1S02	A1151-0042	⚠	COIL-LINE FILTER;BSF-2120Z 25MH 3.2OHM	
L1S03	3301-000297		CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400,2900G	SME LOCAL
L1S05	AC27-92001M	⚠	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SME LOCAL
L1S30	AC27-12001N		COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-,	SME LOCAL
L1S31	AC27-12001N		COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-,	SME LOCAL
L1S32	AC27-92001M		INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SME LOCAL
L1S33	AC27-92001M		INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SME LOCAL
L1S34	AC27-92001M		INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SME LOCAL
PT1S01	AC26-20120C	⚠	TRANS-SWITCHING;-,100/230V,UL/CSA,EE28*21*11,1	
Q1P01	0501-000610		TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,TP,160	SME LOCAL
Q1P02	0504-000116		TR-DIGITAL;KSR1001,NPN,300MW,4.7K-4.7K,TO	SME LOCAL
Q1P03	0501-000610		TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,TP,160	SME LOCAL
Q1P04	0504-000118		TR-DIGITAL;KSR1003,NPN,300MW,22K-22K,TO-9	SME LOCAL
Q1P05	0501-000616		TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L,TP,16	SME LOCAL
Q1P06	0501-000616		TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L,TP,16	SME LOCAL
Q1P07	0501-000398		TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q1S01	0502-001050		TR-POWER;2SC4517A,NPN,30W,TO-220,ST,10-	
Q1S02	0501-000442		TR-SMALL SIGNAL;KTC3203-Y,NPN,400MW,T0-92,TP,1	
R1P02	2004-001096		R-METAL;560OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
R1P03	2001-000273		R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R1P04	2001-000611		R-CARBON;3.9KOHM,5%,1/4W,AA,TP,2.4X6.4M	
R1P05	2001-000449		R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R1P06	2001-000429		R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R1P07	2001-000221		R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R1P09	2004-000571		R-METAL;220OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
R1P10	2001-000449		R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R1S03	2001-000305		R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1S06	2006-000273		R-CEMENT;27KOHM,5%,2W,CA,BK,6.4X27X6.4M	
R1S07	2001-000003		R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R1S11	2006-000262		R-CEMENT;2.7OHM,10%,2W,CB,ST,7.5X11X20.	SME LOCAL
R1S12	2001-000305		R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1S13	2001-000305		R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1S14	2001-000305		R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1S16	2003-000264		R-METAL OXIDE;300OHM,5%,1W,AD,TP,4.3X12MM	
R1S19	2001-000003		R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R1S21	2003-000119		R-METAL OXIDE;0.68OHM,5%,2W,AE,TP,6X16MM	
R1S30	2001-000515		R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R1S31	2001-000221		R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R1S32	2001-000429		R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R1S33	2004-000869		R-METAL;3KOHM,1%,1/8W,AA,TP,1.8X3.2MM	
R1S34	2004-000459		R-METAL;2.2KOHM,1%,1/8W,AA,TP,1.8X3.2M	
VA1S01	1405-000186	⚠	VARISTOR;470V,4500A,17X12MM,TP	SME LOCAL
VA1S02	1405-000186	⚠	VARISTOR;470V,4500A,17X12MM,TP	SME LOCAL
ZD1P02	0403-000557		DIODE-ZENER;MTZ5.1C,5.1V,5.09-5.37V,500MW,	
ZD1S30	0403-000571		DIODE-ZENER;UZP43B,43V,40-46V,1W,DO-41,TP	

Loc. No	New Part No	Description and Specification	Remark
SYSTEM CONTROL/SERVO PARTS			
C601	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C602	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C603	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C604	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C605	2203-001577	C-CERAMIC,CHIP MELF;150PF,10%,50V,Y5E,TP,2012,2M	SME LOCAL
C606	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C607	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C608	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C609	2203-001679	C-CERAMIC,CHIP;68NF,+80-20%,25V,Y5V,TP,2012,2	
C610	2203-001679	C-CERAMIC,CHIP;68NF,+80-20%,25V,Y5V,TP,2012,2	
C6101	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
C6102	2203-000239	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,2012,-	SME LOCAL
C6103	2203-001620	C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C6104	2203-001620	C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C6105	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C6106	2301-000392	C-FILM,PEF;15NF,5%,50V,TP,6.5X8.5X3.2MM,5	
C6107	2203-000818	C-CERAMIC,CHIP;33PF,5%,50V,NPO,TP,2012,-	
C611	2203-000533	C-CERAMIC,CHIP;2.7NF,10%,50V,X7R,TP,2012,-	SME LOCAL
C6114	2201-000799	C-CERAMIC,DISC;12PF,5%,50V,CH,TP,5X3,5	
C6116	2203-001612	C-CERAMIC,CHIP MELF;22PF,5%,50V,SL,TP,2012,2MM	
C6117	2203-001612	C-CERAMIC,CHIP MELF;22PF,5%,50V,SL,TP,2012,2MM	
C6119	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C612	2203-001577	C-CERAMIC,CHIP MELF;150PF,10%,50V,Y5E,TP,2012,2M	SME LOCAL
C6120	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C6122	2401-001952	C-AL;4.7UF,20%,50V,-,TP,6.3X7,5	SME LOCAL
C6123	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5	
C6124	2401-001325	C-AL;470NF,20%,50V,GP,TP,3X5,5	
C6126	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL
C613	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C614	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C615	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C616	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2012,2MM	SME LOCAL
C617	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S,TP,2012,2MM	SME LOCAL
C618	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
C619	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,2012,2MM	SME LOCAL
C620	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,2012,2MM	SME LOCAL
C621	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012,-	SME LOCAL
C622	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
C623	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C624	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C625	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C626	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C627	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
C628	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
C629	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C630	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL
C631	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C632	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C633	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C634	2401-000208	C-AL;100NF,+80-20%,5.5V,GP,12.3MM,5	
C635	2401-000199	C-AL;1000UF,20%,6.3V,GP,10X12.5,5MM	
C636	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5	
C637	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5	
C638	2401-001915	C-AL;1UF,20%,50V,GP,TP,3X5,1MM	

Loc. No	New Part No	Description and Specification	Remark
C639	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C640	2401-001978	C-AL;47UF,20%,25V,GP,TP,6.3X5,5	
C641	2401-000753	C-AL;220NF,20%,50V,GP,TP,3X5,5	
C642	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	SME LOCAL
C643	2401-001036	C-AL;33UF,20%,16V,GP,TP,6.3X5,5	SME LOCAL
C644	A1104-0611	C-ELEC;CE 04 -40/85 16V T 100-M SRE 3.5X5 10UF	SME LOCAL
C645	2401-001915	C-AL;1UF,20%,50V,GP,TP,3X5,1MM	
C646	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C647	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C650	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C651	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C652	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C653	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C654	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C655	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C660	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
C661	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
C663	2203-000979	C-CERAMIC,CHIP;47NF,10%,50V,X7R,2012,-,TP	SME LOCAL
C681	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C682	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C698	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
CN601	3710-000546	CONNECTOR-SOCKET;20P,1R,1.5MM,ANGLE,SN	
CN602	3711-002445	CONNECTOR-HEADER;BOX,2P,2R,1.5MM,STRAIGHT,SN	SME LOCAL
CN603	3711-003105	CONNECTOR-HEADER;BOX,10P,2R,2.0MM,STRAIGHT,SN	SME LOCAL
CN604	3711-002444	CONNECTOR-HEADER;BOX,6P,2R,2.0MM,STRAIGHT,SN	SME LOCAL
D601	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
D602	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D603	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D604	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D605	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
D606	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D607	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D608	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D609	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D610	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D6101	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D6102	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D6103	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D6104	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D6105	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D6106	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D611	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
IC601	AC09-10454D	IC-MCU;HD6433977-RA13F,1024,8,H_ONECH	**(EDIS, NSI, AMFO BUYER ONLY)**
	AC09-10454H	IC-MCU;HD6433977-RA12F,1024,8,H_ONECH	**(SEG, ATR, ERPN INT BUYER ONLY)**
	AC09-10454G	IC-MCU;HD6433977-RA11F,1024,8,H_ONECH	**(SEI, SECOSA BUYER ONLY)**
IC602	AC14-12003K	IC;KA8301(N.M),-,-	SME LOCAL
IC603	1201-000230	IC-OP AMP;6324,DIP,14P,-,QUAD,15/100MV,P	
IC604	AC14-12006C	IC;KA7533,DIP,-	SME LOCAL
IC605	1103-001020	IC-EEPROM;24LC04,4KX8BIT,DIP,8P,300MIL,-	
L601	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L602	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L603	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L604	2701-000131	INDUCTOR-AXIAL;15UH,5%,2.4X3.4MM	SME LOCAL
L6101	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L6103	2701-000117	INDUCTOR-AXIAL;10UH,5%,2.4X3.4MM	SME LOCAL

Loc. No	New Part No	Description and Specification	Remark
L620	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400,2900G	SME LOCAL
L621	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400,2900G	SME LOCAL
LD601	0601-000495	LED-IR;ROUND,3MM,150MW,6V,950NM,BK	SME LOCAL
PT601	0604-000188	PHOTO-INTERRUPTER;TR,-,-,DIP-4,TR	SME LOCAL
PT602	0604-000188	PHOTO-INTERRUPTER;TR,-,-,DIP-4,TR	SME LOCAL
Q601	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q602	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q603	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q604	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
Q605	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q606	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q607	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K-4.7K,TO	SME LOCAL
Q608	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q609	AC14-12001G	IC;KA78L05,T,-	
Q6101	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q6102	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q6106	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q6108	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
R601	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R602	2007-000804	R-CHIP;36KOHM,5%,1/10W,DA,TP,2012	SME LOCAL
R604	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R606	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R608	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R610	2004-000218	R-METAL;10KOHM,1%,1/8W,AA,TP,1.8X3.2MM	
R6100	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R6101	2007-001629	R-CHIP,MELF;1.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6102	2007-001497	R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6103	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6104	2001-000773	R-CARBON;470KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R6105	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6106	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6107	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6109	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R6110	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6111	2007-001497	R-CHIP,MELF;5.6KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6112	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6113	61048-177-333	R-CARBON;RD 1/8 T 333-J	
R6114	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R6115	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6116	2007-007166	R-CHIP,MELF;91KOHM,5%,1/8W,DB,BK,2012	
R6117	2001-000850	R-CARBON;560KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R6119	2007-001486	R-CHIP,MELF;56KOHM,5%,1/8W,DB,BK,2012	
R612	2004-000218	R-METAL;10KOHM,1%,1/8W,AA,TP,1.8X3.2MM	
R6120	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6121	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6122	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6123	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6124	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6125	2007-001540	R-CHIP,MELF;30KOHM,5%,1/8W,DB,BK,2012	
R6128	2001-000534	R-CARBON;240OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6129	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6130	2001-000515	R-CARBON;220OHM,5% **(SV-A21XK/201X/A40XK/205X ONLY)**	SME LOCAL
	DO NOT ORDER	WIRE-NO SHEATH CU **(SV-A20XK/200X/A30XK/203X ONLY)**	(S.N.A)
R6131	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R6134	2007-001486	R-CHIP,MELF;56KOHM,5%,1/8W,DB,BK,2012	

Loc. No	New Part No	Description and Specification	Reamrk
R614	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R615	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R616	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R617	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R618	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R619	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R620	2001-000832	R-CARBON;510OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R621	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R624	2007-001627	R-CHIP,MELF;100KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R625	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R626	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R627	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R628	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R629	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R630	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R631	2007-001591	R-CHIP,MELF;18KOHM,5%,1/8W,DB,BK,2012	
R632	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R633	2001-000802	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R634	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R635	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R636	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R637	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R638	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R640	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R641	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R644	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R648	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R649	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R651	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R652	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R653	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R654	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R655	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R656	2001-000605	R-CARBON;3.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R657	2007-001596	R-CHIP,MELF;16KOHM,5%,1/8W,DB,BK,2012	
R658	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R659	2007-001596	R-CHIP,MELF;16KOHM,5%,1/8W,DB,BK,2012	
R660	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R661	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R662	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R663	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R664	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R665	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R666	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R667	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R668	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R669	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R670	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R671	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R672	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R673	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R674	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R675	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R676	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R677	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL

Loc. No	New Part No	Description and Specification	Remark
R678	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R679	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R681	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R682	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R683	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R684	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R685	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R686	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R687	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R688	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R689	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R690	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R691	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R692	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R693	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R694	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R695	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R696	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R697	2003-000259	R-METAL OXIDE;3.9OHM,5%,2W,AE,TP,6X16MM	SME LOCAL
R698	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
RS601	3409-000176	SWITCH-DETECTOR;30VDC,100MA,SPST,-,-	
S601	0603-000112	PHOTO-TR;NPN,35V,6V,50MA,75MW,-	SME LOCAL
S602	0603-000112	PHOTO-TR;NPN,35V,6V,50MA,75MW,-	SME LOCAL
SW601	AC34-22001E	SWITCH-PROGRAM;MXS00281MLB0,-,-,-,-,-,-	SME LOCAL
XT601	2801-003293	CRYSTAL-UNIT;10MHZ,50PPM,28-AAA,16PF,50OHM,	
XT602	64539-021-009	CRYSTAL;32.768KHZ	SME LOCAL
XT6102	2801-003311	CRYSTAL-UNIT;17.734475MHZ,50PPM,28-AAA,16PF	
AUDIO/VIDEO PARTS			
C305	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C307	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C309	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C311	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C314	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C315	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C316	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C317	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C318	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C319	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C320	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C321	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C322	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C324	B1102-0113	C-FILM;CQ 922 P 100V 473-J CQ298PVT473J ECQV473J	SME LOCAL
C325	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C326	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C327	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C328	2203-001620	C-CERAMIC,CHIP MELF;27PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C329	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C330	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C331	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	SME LOCAL
C332	2203-001524	C-CERAMIC,CHIP;47PF,5%,50V,NPO,TP,2012,-	
C333	2203-000840	C-CERAMIC,CHIP;390PF,5%,50V,NPO,TP,2012,-	SME LOCAL
C334	2203-001246	C-CERAMIC,CHIP;82PF,5%,50V,NPO,TP,2012,-	SME LOCAL
C335	2203-001580	C-CERAMIC,CHIP MELF;15PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C336	2203-001606	C-CERAMIC,CHIP MELF;220PF,10%,50V,Y5P,TP,2012,2M	SME LOCAL

Loc. No	New Part No	Description and Specification	Remark
C337	2203-000540	C-CERAMIC,CHIP;200PF,5%,50V,NPO,TP,2012,-	SME LOCAL
C338	2203-001589	C-CERAMIC,CHIP MELF;18PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C339	2203-000239	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,2012,-	SME LOCAL
C340	2401-001965	C-AL;470NF,20%,50V,-,BK,4X7MM,1.5MM	
C341	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5	SME LOCAL
C342	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C343	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C344	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL
C345	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C346	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C347	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL
C348	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C349	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C350	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C351	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C352	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C353	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C355	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C356	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C357	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C358	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C359	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C360	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C361	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C362	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C363	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
C364	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C366	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C367	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C368	2203-000979	C-CERAMIC,CHIP;47NF,10%,50V,X7R,2012,-,TP	SME LOCAL
C369	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C370	B1102-0113	C-FILM;CQ 922 P 100V 473-J CQ298PVT473J ECQV473J	SME LOCAL
C371	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C373	2301-000439	C-FILM,PEF;3NF,5%,50V,TP,5.5X7X3MM,5MM	
C374	2202-000781	C-CERAMIC,MLC-AXIAL;100PF,10%,50V,Y5P,TP,3.5X19,	SME LOCAL
C376	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C377	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C380	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL
C3A01	2401-001893	C-AL;100UF,20%,16V,-,TP	SME LOCAL
C3A02	2301-000392	C-FILM,PEF;15NF,5%,50V,TP **(AUDIO DUBBING OPTION)**	
	B1102-0113	C-FILM;CQ 922 P 100V 473-J **(NO AUDIO DUBBING OPTION)**	SME LOCAL
C3A03	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C3A04	2301-000299	C-FILM,PEF;6.8NF,5%,100V,5.8*12.5MM,5MM,T	
C3A05	2301-000161	C-FILM,PEF;12NF,5%,50V,TP **(AUDIO DUBBING OPTION)**	
	2301-000264	C-FILM,PEF;4.7NF,5%,50V **(NO AUDIO DUBBING OPTION)**	
C3A06	2301-000408	C-FILM,PEF;2.7NF,5%,50V,TP,5.5X7X3MM,5MM	
C3A07	2301-000402	C-FILM,PEF;1NF,5%,50V,TP,5X7X2.8MM,5MM	
C3A08	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5	SME LOCAL
C3A09	2401-001952	C-AL;4.7UF,20%,50V,-,TP,6.3X7,5	SME LOCAL
C3A10	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C3A11	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C3A12	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
C3A15	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C3A16	2401-001912	C-AL;1UF,20%,50V,GP,BK,5X11MM,2MM	SME LOCAL
C3A17	2202-000855	C-CERAMIC,MLC-AXIAL;6.8NF,30%,16V,Y5R,TP,3.5X1.9	

Loc. No	New Part No	Description and Specification	Remark
C3A18	2202-000855	C-CERAMIC,MLC-AXIAL;6.8NF,30%,16V,Y5R,TP,3.5X1.9	
C3A19	2202-000856	C-CERAMIC,MLC-AXIAL;8.2NF,30%,16V,Y5R,TP,3.5X1.9	SME LOCAL
C3A20	2301-000217	C-FILM,PEF;220NF,5%,50V,TP,8.0X9.5X4.5X5,	
C3A21	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	SME LOCAL
C3A22	2301-000217	C-FILM,PEF;220NF,5%,50V,TP,8.0X9.5X4.5X5,	
C3A23	2401-001169	C-AL;33UF,20%,16V,GP,-,6.3X7,2.5MM	SME LOCAL
C3A24	2301-000217	C-FILM,PEF;220NF,5%,50V,TP,8.0X9.5X4.5X5,	
C3A25	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C3A26	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C3A27	2401-002197	C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM	SME LOCAL
C3A28	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C3A29	2301-000383	C-FILM,PEF;10NF,5%,50V,TP,6X7X3.2MM,5MM	
C3A30	2301-000392	C-FILM,PEF;15NF,5%,50V,TP,6.5X8.5X3.2MM,5	
C3S05	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C3S07	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C511	2401-001893	C-AL;100UF,20%,16V,-,TP,6.3X7MM,5	SME LOCAL
C531	2401-002183	C-AL;220UF,20%,16V,GP,TP,8X9,5MM	
C532	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C5D01	B1102-0113	C-FILM;CQ 922 P 100V 473-J **(AUDIO DUBBING OPTION)**	SME LOCAL
C5D02	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5 **(AUDIO DUBBING OPTION)**	SME LOCAL
C5D03	2203-002188	C-CERAMIC,CHIP;10NF,+80-20% **(AUDIO DUBBING OPTION)**	SME LOCAL
C5D04	2301-000264	C-FILM,PEF;4.7NF,5%,50V,TP **(AUDIO DUBBING OPTION)**	
C5D05	2301-000383	C-FILM,PEF;10NF,5%,50V,TP **(AUDIO DUBBING OPTION)**	
CN301	3708-000395	CONNECTOR-FPC/FC/PIC;8P,1.25MM,STRAIGHT,SN	
CN3A01	3708-001053	CONNECTOR-FPC/FC/PIC;7P,1.25MM,STRAIGHT,SN	
CN3A02	3711-000371	CONNECTOR-HEADER;-,2P,1R,2MM,STRAIGHT,-	SME LOCAL
D301	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
FL3A01	AC27-80100A	COIL-OSC;126QN-K5272YHC=K,-,AM	
FL5D01	AC27-82001C	COIL-BIAS OSC;B02,W(TOKO) **(AUDIO DUBBING OPTION)**	
IC301	1204-001057	IC-SIGNAL PROCESSOR;SS11511M,QFP,80P,-,PLASTIC,7	
IC302	AC14-12014L	IC-LINEAR;LA7411,DIP,PRE-AMP	SME LOCAL
IC303	1209-001023	IC-DELAY LINE;SS23377M,SOP,14P,225MIL,PLASTI	
L301	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L302	2701-000147	INDUCTOR-AXIAL;2.2UH,5%,2.4X3.4MM	SME LOCAL
L303	2701-000206	INDUCTOR-AXIAL;56UH,5%,2.4X3.4MM	SME LOCAL
L304	2701-000206	INDUCTOR-AXIAL;56UH,5%,2.4X3.4MM	SME LOCAL
L308	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L3A02	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L3A03	2702-000120	INDUCTOR-RADIAL;15MH,5%,6.2X7.4MM	SME LOCAL
L3A04	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L501	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L503	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L5D01	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K, **(AUDIO DUBBING OPTION)**	SME LOCAL
Q302	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
Q303	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
Q304	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q306	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q307	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q308	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q309	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q310	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
Q312	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q3A01	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q3A02	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q3A03	0501-000010	TR-SMALL SIGNAL;KSC1008-Y,NPN,80V,60V,700MA,80	SME LOCAL

Loc. No	New Part No	Description and Specification	Remark
Q3A04	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
Q3A05	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q3A06	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q5D01	0501-000010	TR-SMALL SIGNAL;KSC1008-Y,NPN **(AUDIO DUBBING OPTION)**	SME LOCAL
Q5D02	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW, **(AUDIO DUBBING OPTION)**	SME LOCAL
Q5D03	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW, **(AUDIO DUBBING OPTION)**	SME LOCAL
R301	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R302	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R303	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R305	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R306	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R307	2007-001627	R-CHIP,MELF;100KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R308	2007-001521	R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R309	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R310	2007-001546	R-CHIP,MELF;3.9KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R311	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R312	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R313	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R314	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R315	2007-001546	R-CHIP,MELF;3.9KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R316	2007-001458	R-CHIP,MELF;8.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R317	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R318	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R319	2007-001521	R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R320	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R321	2007-001521	R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R322	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R323	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R324	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R325	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012	
R327	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R328	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R329	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R331	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R332	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R333	2007-001458	R-CHIP,MELF;8.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R335	2007-001616	R-CHIP,MELF;120KOHM,5%,1/8W,DB,BK,2012	
R337	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R338	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R339	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R340	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R341	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R350	2007-001629	R-CHIP,MELF;1.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R351	2007-001616	R-CHIP,MELF;120KOHM,5%,1/8W,DB,BK,2012	
R353	2007-001521	R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R399	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012	
R3A02	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R3A03	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R3A04	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W,DB, **(AUDIO DUBBING OPTION)**	SME LOCAL
	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA **(NO AUDIO DUBBING OPTION)**	
R3A05	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A06	2007-001584	R-CHIP,MELF;2.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A07	2001-000458	R-CARBON;2.2OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A08	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R3A09	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL

Loc. No	New Part No	Description and Specification	Remark
R3A10	2007-001633	R-CHIP,MELF;1.5KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A11	2007-001534	R-CHIP,MELF;33KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A12	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R3A13	2001-000645	R-CARBON;330KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R3A14	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R3A15	2007-001612	R-CHIP,MELF;12KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A16	2007-001641	R-CHIP,MELF;0OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A17	2001-000802	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A18	2001-000718	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3A19	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R3A20	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R3A21	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A22	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A23	2007-001484	R-CHIP,MELF;6.2KOHM,5%,1/8W,DB,BK,2012	
R3A24	2001-000454	R-CARBON;2.2MOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R3A25	2007-001468	R-CHIP,MELF;7.5KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A26	2007-001484	R-CHIP,MELF;6.2KOHM,5%,1/8W,DB,BK,2012	
R3A27	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A28	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A29	2007-001580	R-CHIP,MELF;2.4KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R3A30	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R3A31	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R3A32	2001-000904	R-CARBON;620OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R5D01	2001-000793	R-CARBON;47OHM,5%,1/8W,AA **(AUDIO DUBBING OPTION)**	SME LOCAL
R5D02	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA **(AUDIO DUBBING OPTION)**	SME LOCAL
R5D03	2001-000745	R-CARBON;4.7OHM,5%,1/8W,AA **(AUDIO DUBBING OPTION)**	SME LOCAL
XT301	B1280-0169	CRYSTAL;4.433619MHZ HC-49/U-S 15PPM SERIES TYPE	SME LOCAL
IF PARTS			
C401	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C402	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C404	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C409	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C410	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C411	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL
C412	2203-001589	C-CERAMIC,CHIP MELF;18PF,5%,50V,SL,TP,2012,2MM	SME LOCAL
C414	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C415	2301-000415	C-FILM,PEF;22NF,5%,50V,TP,6.5X10.5X4MM,5M	SME LOCAL
C416	2401-002180	C-AL;2.2UF,20%,50V,GP,TP,5X11,5MM	SME LOCAL
C417	2202-000205	C-CERAMIC,MLC-AXIAL;22PF,5%,50V,SL,1.9X3.5,-,TP	SME LOCAL
C418	2201-000837	C-CERAMIC,DISC;39PF,5%,50V,CH,TP,5X3,5	SME LOCAL
C419	2401-000419	C-AL;10UF,20%,16V,GP,-,4X7,5	SME LOCAL
C421	2202-000787	C-CERAMIC,MLC-AXIAL;10PF,5%,50V,Y5P,TP,3.5X19,-	
C423	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C425	2401-002180	C-AL;2.2UF,20%,50V,GP,TP,5X11,5MM	SME LOCAL
C426	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C427	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C428	2203-002188	C-CERAMIC,CHIP;10NF,+80-20%,16V,Y5V,TP,2012,-	SME LOCAL
C429	2201-000800	C-CERAMIC,DISC;120PF,5%,50V,SL,TP,5X3,5	
C4A1	2401-000475	C-AL;10UF,20%,50V,GP,-,5X11,2MM	
C4A2	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C4A4	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL
C4A5	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL
C4A6	2301-000129	C-FILM,PEF;100NF,5%,50V,TP,10X9X4.3X5,5MM	SME LOCAL
C4A7	2401-001364	C-AL;470UF,20%,16V,GP,TP,10X12MM,5M	

Loc. No	New Part No	Description and Specification	Remark
C4A8	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C4A9	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
D410	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	SME LOCAL
FL401	2904-001016	FILTER-SAW AV;38.9MHZ,SIP5K,TP,15.3DB,PAL-B/	
FL403	2903-000193	FILTER-CERAMIC;BR,6.0MHz	
FL404	2903-000185	FILTER-CERAMIC;BP,5.5MHZ,+-75KHZ,6DB,-,TP	SME LOCAL
FL407	2903-000178	FILTER-CERAMIC;BP,5.5MHZ,-,-,-,TP	SME LOCAL
FL408	2903-000178	FILTER-CERAMIC;BP,5.5MHZ,-,-,-,TP	SME LOCAL
IC401	AC14-12011Q	IC-LINEAR;TDA9800,DIP,NEG DEMOD	
IC4A1	AC14-12003P	IC;LA7920,-,-	SME LOCAL
IC4A2	AC14-12003T	IC-L;KA33V TAPG,-,-	SME LOCAL
L401	2701-000145	INDUCTOR-AXIAL;1UH,5%,2.4X3.4MM	SME LOCAL
L402	2701-000145	INDUCTOR-AXIAL;1UH,5%,2.4X3.4MM	SME LOCAL
L403	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
L404	2701-000160	INDUCTOR-AXIAL;22UH,5%,2.4X3.4MM	SME LOCAL
L405	2702-000185	INDUCTOR-RADIAL;8.2UH,5%,6X6.4MM	
L415	3301-000297	CORE-FERRITE BEAD;AA,3.6X1.2X5.7MM,1400,2900G	SME LOCAL
L4A1	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
Q401	0501-000436	TR-SMALL SIGNAL;KTC3197-AT,NPN,625MW,TO-92,TP,	SME LOCAL
Q402	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q4A1	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q4A2	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW **(SV-A40XK/205X ONLY)**	SME LOCAL
Q4A3	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW **(SV-A21XK/201X ONLY)**	SME LOCAL
R402	2001-000802	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R403	2007-001637	R-CHIP,MELF;1.2KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R404	2007-001488	R-CHIP,MELF;560OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R405	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R406	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R410	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R414	2007-001578	R-CHIP,MELF;2.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R415	2001-000003	R-CARBON;330OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R416	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R417	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R418	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R419	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R420	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R421	2007-001536	R-CHIP,MELF;330OHM,5%,1/8W,DB,BK,2012	
R424	2007-001574	R-CHIP,MELF;20KOHM,5%,1/8W,DB,BK,2012	
R425	2007-001503	R-CHIP,MELF;47KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R426	2007-001521	R-CHIP,MELF;390OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R428	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R429	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R432	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R435	2007-001513	R-CHIP,MELF;4.7KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R436	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R4A0	2001-000595	R-CARBON;3.3MOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R4A1	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4A2	2001-000718	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R4A3	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4A4	2007-001641	R-CHIP,MELF;0OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4A5	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4A6	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4A7	2007-001555	R-CHIP,MELF;27KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4A8	2001-000595	R-CARBON;3.3MOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R4A9	2001-000595	R-CARBON;3.3MOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL

Loc. No	New Part No	Description and Specification	Remark
R4B1	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R4B2	2007-001568	R-CHIP,MELF;22KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
TL401	AC26-12001A	TRANS-DET;9MM,0UH,BLK,8PF,77.9MHZ,M7T1,S	
U401	AC40-30070C	TM-BLOCK;MTSH6HD33,PAL-G(HYPER),108	
VR401	2103-000307	VR-SEMI;22KOHM,30%,1/10W,TOP	SME LOCAL
VPS/PDC PARTS			
C6P01	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C6P02	2202-000791	C-CERAMIC,MLC-AXIAL;150PF,10%,50V,Y5P,TP,3.5X19,	SME LOCAL
C6P03	2401-001074	C-AL;330NF,20%,50V,GP,TP,4X5,2.5MM	SME LOCAL
C6P05	2203-001608	C-CERAMIC,CHIP;22NF,+80-20%,50V,Y5V,TP,2012,-	
C6P06	2203-000802	C-CERAMIC,CHIP;33NF,10%,50V,X7R,2012,-,TP	
C6P07	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
IC6P01	1204-000332	IC-DECODER;SDA5649,DIP,14P,300MIL,PLASTIC	SME LOCAL
R6P05	2007-001627	R-CHIP,MELF;100KOHM,5%,1/8W,DB,BK,2012 **(VPS OPTION**)	SME LOCAL
	2007-001452	R-CHIP,MELF;82KOHM,5%,1/8W,DB,BK,2012 **(PDC OPTION)**	SME LOCAL
R6P06	2007-001586	R-CHIP,MELF;1MOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6P07	2007-000225	R-CHIP;1.2MOHM,5%,1/10W,DA,TP,2012	SME LOCAL
R6P08	2007-001482	R-CHIP,MELF;6.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6P09	2007-000225	R-CHIP;1.2MOHM,5%,1/10W,DA,TP,2012	SME LOCAL
R6P10	2007-001482	R-CHIP,MELF;6.8KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R6P11	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R6P12	2007-001623	R-CHIP,MELF;10KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
I/O PARTS			
C802	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C803	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5 **(2 SCART OPTION)**	SME LOCAL
C804	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
C805	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5 **(2 SCART OPTION)**	SME LOCAL
C806	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C807	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,2012,	SME LOCAL
C808	2401-002197	C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM	SME LOCAL
C809	2401-002197	C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM **(2 SCART OPTION)**	SME LOCAL
C811	2401-002197	C-AL;4.7UF,20%,25V,GP,TP,4X7,5MM **(2 SCART OPTION)**	SME LOCAL
C818	2401-001975	C-AL;47UF,20%,16V,GP,TP,5X11MM,5	SME LOCAL
C819	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	SME LOCAL
C820	2401-001511	C-AL;47UF,20%,16V,GP,-,6X7,5	SME LOCAL
C822	2401-001893	C-AL;100UF,20%,16V,-,TP,6.3X7MM,5	SME LOCAL
C824	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,2012,2MM	SME LOCAL
C825	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P,TP,2012,2MM	SME LOCAL
C829	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5	SME LOCAL
C831	2203-001615	C-CERAMIC,CHIP MELF;270PF,10%,50V,Y5P,TP,2012,2M	
C834	2203-001615	C-CERAMIC,CHIP MELF;270PF,10%,50V,Y5P,TP,2012,2M	
C835	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
C836	2203-001702	C-CERAMIC,CHIP;2.2NF,5%,50V,X7R,TP,2012,-	SME LOCAL
C838	2401-000918	C-AL;22UF,20%,16V,GP,-,6.3X7,5 **(2 SCART OPTION)**	SME LOCAL
C840	2203-001615	C-CERAMIC,CHIP MELF;270PF,10%,50V **(2 SCART OPTION)**	
C842	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S **(2 SCART OPTION)**	SME LOCAL
C843	2203-001591	C-CERAMIC,CHIP MELF;1NF,20%,25V,Y5S **(2 SCART OPTION)**	SME LOCAL
C844	2203-001615	C-CERAMIC,CHIP MELF;270PF,10%,50V,Y5P **(2 SCART OPTION)**	
C847	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P **(2 SCART OPTION)**	SME LOCAL
C848	2203-001696	C-CERAMIC,CHIP MELF;82PF,10%,50V,Y5P **(2 SCART OPTION)**	SME LOCAL
C849	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5 **(2 SCART OPTION)**	SME LOCAL
C850	2203-001557	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V **(2 SCART OPTION)**	SME LOCAL
D801	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL

Loc. No	New Part No	Description and Specification	Remark
D802	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D803	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D804	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D805	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(2 SCART OPTION)**	SME LOCAL
D806	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(2 SCART OPTION)**	SME LOCAL
D810	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(2 SCART OPTION)**	SME LOCAL
D811	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(2 SCART OPTION)**	SME LOCAL
D812	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(2 SCART OPTION)**	SME LOCAL
D814	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(2 SCART OPTION)**	SME LOCAL
D815	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(2 SCART OPTION)**	SME LOCAL
D816	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(2 SCART OPTION)**	SME LOCAL
D817	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(2 SCART OPTION)**	SME LOCAL
D818	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(2 SCART OPTION)**	SME LOCAL
D819	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(2 SCART OPTION)**	SME LOCAL
D820	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(1 SCART OPTION)**	SME LOCAL
D822	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(1 SCART OPTION)**	SME LOCAL
IC801	1001-001026	IC-RF/VI/AUDIO S/W;KA8119BDTF,CMOS, **(2 SCART OPTION)**	
J805	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
JC801	3710-000482	CONNECTOR-SOCKET;21P,-,-,ANGLE,SN **(1 SCART OPTION)**	
	3722-001093	JACK-RCA;42P,3.81MM,SN,BLU/BLK,#20-28 **(2 SCART OPTION)**	
L803	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
L804	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
L805	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
L806	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
L807	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SME LOCAL
L808	AC27-92001M	INDUCTOR;70UH-M RT BFS3565R2F,-,-,-,-	SME LOCAL
L809	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM **(2 SCART OPTION)**	SME LOCAL
L810	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM **(2 SCART OPTION)**	SME LOCAL
L811	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM **(2 SCART OPTION)**	SME LOCAL
L812	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM **(2 SCART OPTION)**	SME LOCAL
L815	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
L816	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL
Q802	0501-000303	TR-SMALL SIGNAL;KSA733-Y,PNP,250MW,TO-92,-,120	SME LOCAL
Q803	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW,TO-92,TP,12	SME LOCAL
Q808	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K **(2 SCART OPTION)**	SME LOCAL
Q809	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K, **(2 SCART OPTION)**	SME LOCAL
Q810	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K **(2 SCART OPTION)**	SME LOCAL
Q811	0501-000398	TR-SMALL SIGNAL;KSC945-Y,NPN,250MW **(2 SCART OPTION)**	SME LOCAL
Q812	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
Q813	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K-4.7K,TO	SME LOCAL
Q814	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K **(2 SCART OPTION)**	SME LOCAL
Q815	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K **(2 SCART OPTION)**	SME LOCAL
R807	2007-001446	R-CHIP,MELF;910OHM,5%,1/8W,DB,BK,2012	
R808	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R809	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R810	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8 **(1 SCART OPTION)**	
	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8 **(2 SCART OPTION)**	
R811	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R812	2007-001460	R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012	
R813	2007-001460	R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012	
R816	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R817	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012	SME LOCAL
R821	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R822	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL
R823	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012	SME LOCAL

Loc. No	New Part No	Description and Specification	Remark
R826	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK **(2 SCART OPTION)**	SME LOCAL
R827	2007-001557	R-CHIP,MELF;270OHM,5%,1/8W,DB,BK,2012 **(2 SCART OPTION)**	SME LOCAL
R828	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012 **(2 SCART OPTION)**	SME LOCAL
R829	2007-001589	R-CHIP,MELF;1KOHM,5%,1/8W,DB,BK,2012 **(2 SCART OPTION)**	SME LOCAL
R830	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP **(2 SCART OPTION)**	SME LOCAL
R831	2007-001572	R-CHIP,MELF;220KOHM,5%,1/8W,DB,BK **(2 SCART OPTION)**	SME LOCAL
R833	2007-001460	R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012 **(2 SCART OPTION)**	
R834	2004-001096	R-METAL;560OHM,5%,1/4W,AA,TP **(2 SCART OPTION)**	SME LOCAL
R835	2004-001290	R-METAL;820OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
R836	2007-001505	R-CHIP,MELF;470OHM,5%,1/8W,DB,BK,2012 **(2 SCART OPTION)**	SME LOCAL
R837	2007-001460	R-CHIP,MELF;75OHM,5%,1/8W,DB,BK,2012 **(2 SCART OPTION)**	
SW801	3408-000127	SWITCH-SLIDE;12V,100MA,-,-	SME LOCAL
670	**DO NOT ORDER**	**ASSY-F/TIMER**	**(S.N.A)**
C701	2401-001893	C-AL;100UF,20%,16V,-,TP,6.3X7MM,5	SME LOCAL
C702	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C703	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3.5X19,-	
C704	2401-001952	C-AL;4.7UF,20%,50V,-,TP,6.3X7,5	SME LOCAL
C705	2401-001893	C-AL;100UF,20%,16V,-,TP,6.3X7MM,5	SME LOCAL
C706	2202-000807	C-CERAMIC,MLC-AXIAL;22NF,+80-20%,25V,Y5V,TP,3.5X	
C707	2202-000243	C-CERAMIC,MLC-AXIAL;33PF,5%,50V,SL,3.5X19,-,TP	
C708	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X19,-,TP	SME LOCAL
C709	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X19,-,TP	SME LOCAL
C710	2202-000279	C-CERAMIC,MLC-AXIAL;47PF,5%,50V,SL,3.5X19,-,TP	SME LOCAL
C711	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5P,TP,3.5X19,-	SME LOCAL
C712	2202-000850	C-CERAMIC,MLC-AXIAL;2.2NF,30%,16V,Y5R,TP,3.5X1.9	
C714	2401-001904	C-AL;10UF,20%,16V,-,TP,4X7MM,5	SME LOCAL
CN701	3710-000545	CONNECTOR-SOCKET;20P,1R,1.5MM,STRAIGHT,SN	SME LOCAL
D702	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D703	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D705	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D706	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA **(FRONT A/V OPTION)**	SME LOCAL
D708	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D710	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D718	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D723	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D725	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D728	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D736	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D737	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D738	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D739	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D741	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D742	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D743	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D744	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D745	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
D746	0401-000101	DIODE-SWITCHING;1N4148,100V,200MA,500MW,4NS,DO	SME LOCAL
DT701	AC07-20050J	VF-DISPLAY;SVV-8MS11,15SEG,101.5X21.5,-	
IC701	1003-001039	IC-VFD;UPD16311GC-AB6,QFP,52P,-,-,-40	
JK702	AC37-22001T	JACK-PIN;DSPS-8805-03W,PI4,3P,GLD,- **(FRONT A/V OPTION)**	SME LOCAL
JK703	3722-000433	JACK-PIN;1P/1C,PI3.3,SN,YEL,- **(FRONT A/V OPTION)**	SME LOCAL
JS701	3406-001015	SWITCH-ROTARY;5V,10MA,DP5T,9.1MM **(SHUTTLE OPTION)**	
L701	AC27-92001B	COIL-PEAKING AXIAL;BAL04ST101K,-,-,-,-	SME LOCAL

Loc. No	New Part No	Description and Specification	Remark
L703	2701-000181	INDUCTOR-AXIAL;33UH,5%,2.4X3.4MM	SME LOCAL
LD701	0601-000497	LED;ROUND,GRN,3MM,565NM	
Q701	0504-000203	TR-DIGITAL;KSR1004,NPN,300MW,47K-47K,TO-9	SME LOCAL
R701	2004-000292	R-METAL;12OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
R702	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R703	2004-000790	R-METAL;330OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
R704	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R705	2004-000292	R-METAL;12OHM,5%,1/4W,AA,TP,2.4X6.4MM	SME LOCAL
R706	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8 **(SHUTTLE OPTION)**	SME LOCAL
R707	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8 **(SHUTTLE OPTION)**	SME LOCAL
R708	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8 **(SHUTTLE OPTION)**	SME LOCAL
R709	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8 **(SHUTTLE OPTION)**	SME LOCAL
R711	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8 **(SHUTTLE OPTION)**	SME LOCAL
R712	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8 **(SHUTTLE OPTION)**	SME LOCAL
R713	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8 **(SHUTTLE OPTION)**	SME LOCAL
R714	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8 **(SHUTTLE OPTION)**	SME LOCAL
R716	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R717	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R718	61048-177-333	R-CARBON;RD 1/8 T 333-J	
R719	61048-177-333	R-CARBON;RD 1/8 T 333-J	
R720	2001-000325	R-CARBON;120OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R721	61048-177-563	R-CARBON;RD 1/8 T 563-J	
R722	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R726	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R727	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R728	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R729	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	SME LOCAL
R730	61048-177-333	R-CARBON;RD 1/8 T 333-J	
R731	61048-177-333	R-CARBON;RD 1/8 T 333-J	
R732	2001-000633	R-CARBON;30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R733	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
R734	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	SME LOCAL
RM701	AC59-62001G	MODULE-REMOCON;TFMR5380,38KHZ,-,-,-,-	
SW701	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW702	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW703	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW704	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW705	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW707	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW709	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW710	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW711	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW712	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
SW713	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3 **(F.F OPTION)**	
SW714	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3 **(REW OPTION)**	
SW715	3404-001008	SWITCH-TACT;12V,20MA,160+-50,6X7.9X3.5MM,D	
ZD701	62169-403-833	DIODE ZENER;UZ 5.6BH	
ZD702	0403-000555	DIODE-ZENER;MTZ30D,30V,29.02-30.51V,500MW,	

Loc. No	New Part No	Description and Specification	Remark
		REMOCON-ASSY	
	AC59-10329N	SV-A20XK/SV-200X	
	AC59-10329P	SV-A21XK/SV-201X	
	AC59-10329K	SV-A30XK/SV-203X	
	AC59-10329F	SV-A40XK/SV-205X	
	64043-0166-00	DOOR-BATTERY;ABS94HB T2 D/GRY NR-3346	
CT1	2401-001954	C-AL;4.7UF,20%,50V,GP,BK,5X11MM,5	SME LOCAL
CT2	2203-000239	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,2012,-	SME LOCAL
CT3	2203-000239	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,2012,-	SME LOCAL
ICT1	AC09-12014C	IC-MCU;KS51810-76,QFP,V-PAL	SME LOCAL
LDT1	A4150-0168	LED-INFRARED;SI5312-H NTR 940NM/1.4V	SME LOCAL
QT1	0501-000534	TR-SMALL SIGNAL;2SC2412K,NPN,200MW,SOT-23,TP,1	SME LOCAL
RT1	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	SME LOCAL
XT01	64539-102-311	CERAMIC RESONATOR;CSB455EBL/KBR455BKTL	

MEMO

8. Block Diagrams

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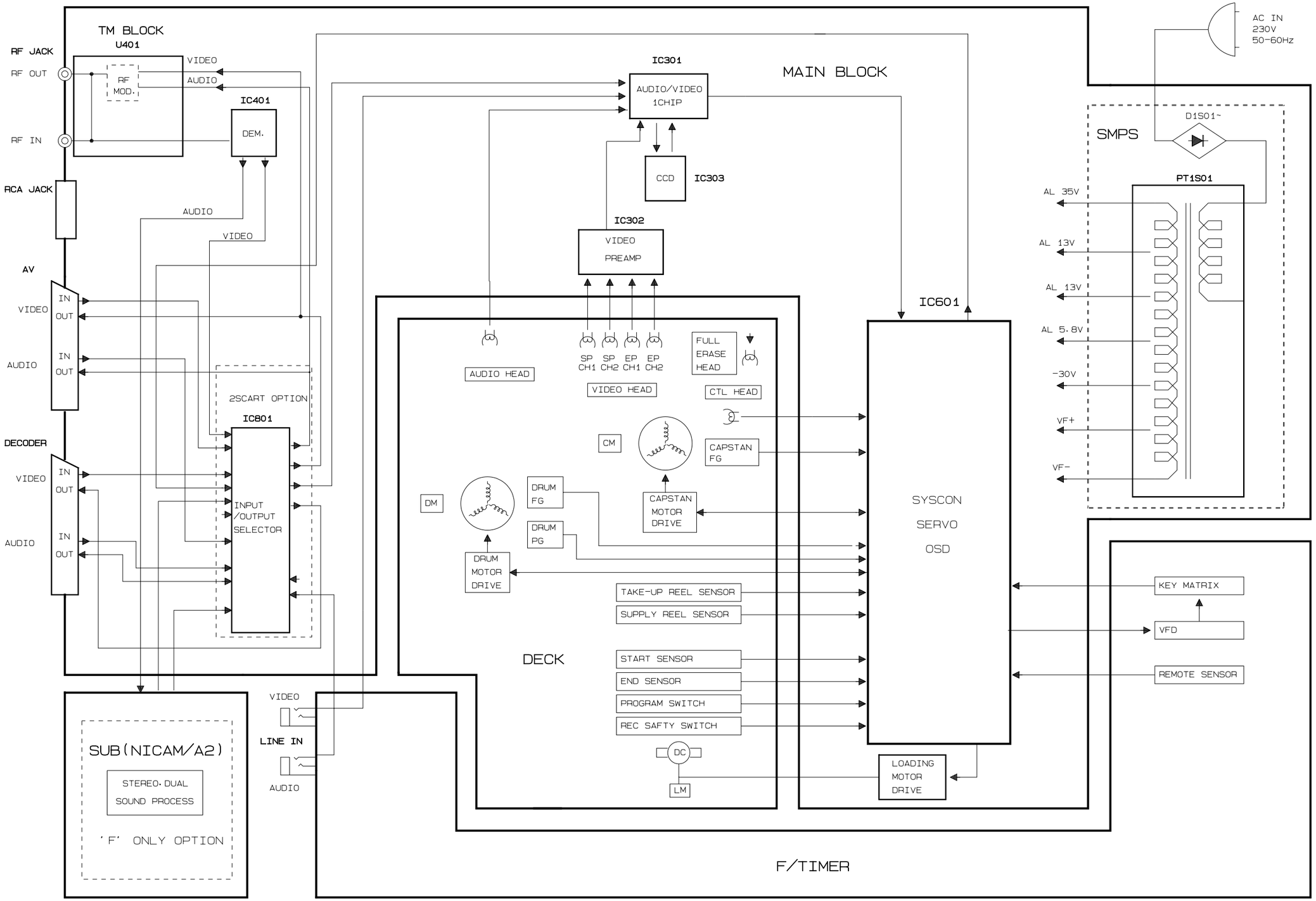
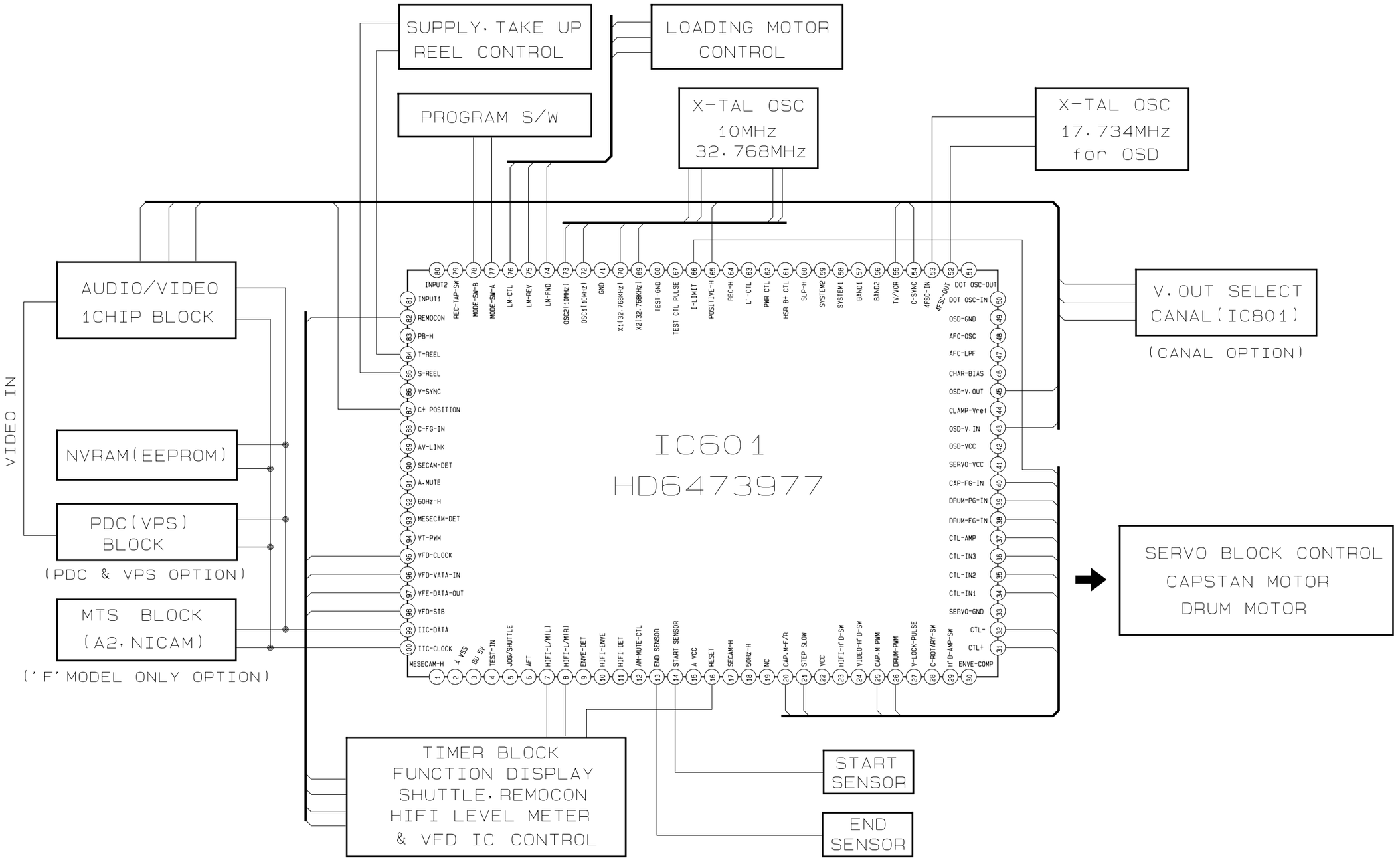
8-1	Overall Block Diagram	8-2
8-2	System Control	8-3
8-3	Video	8-4

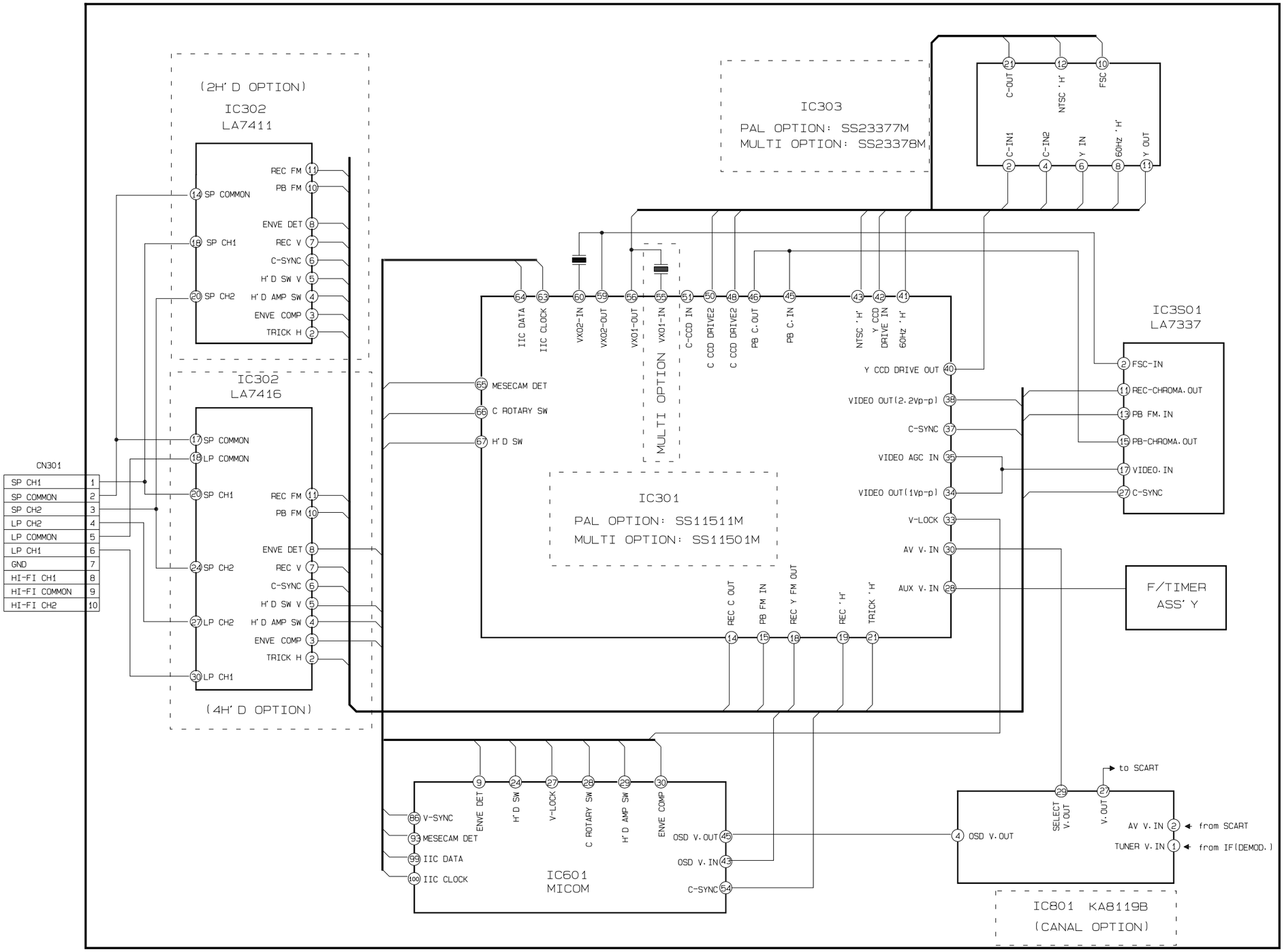
8-1 Overall Block Diagram



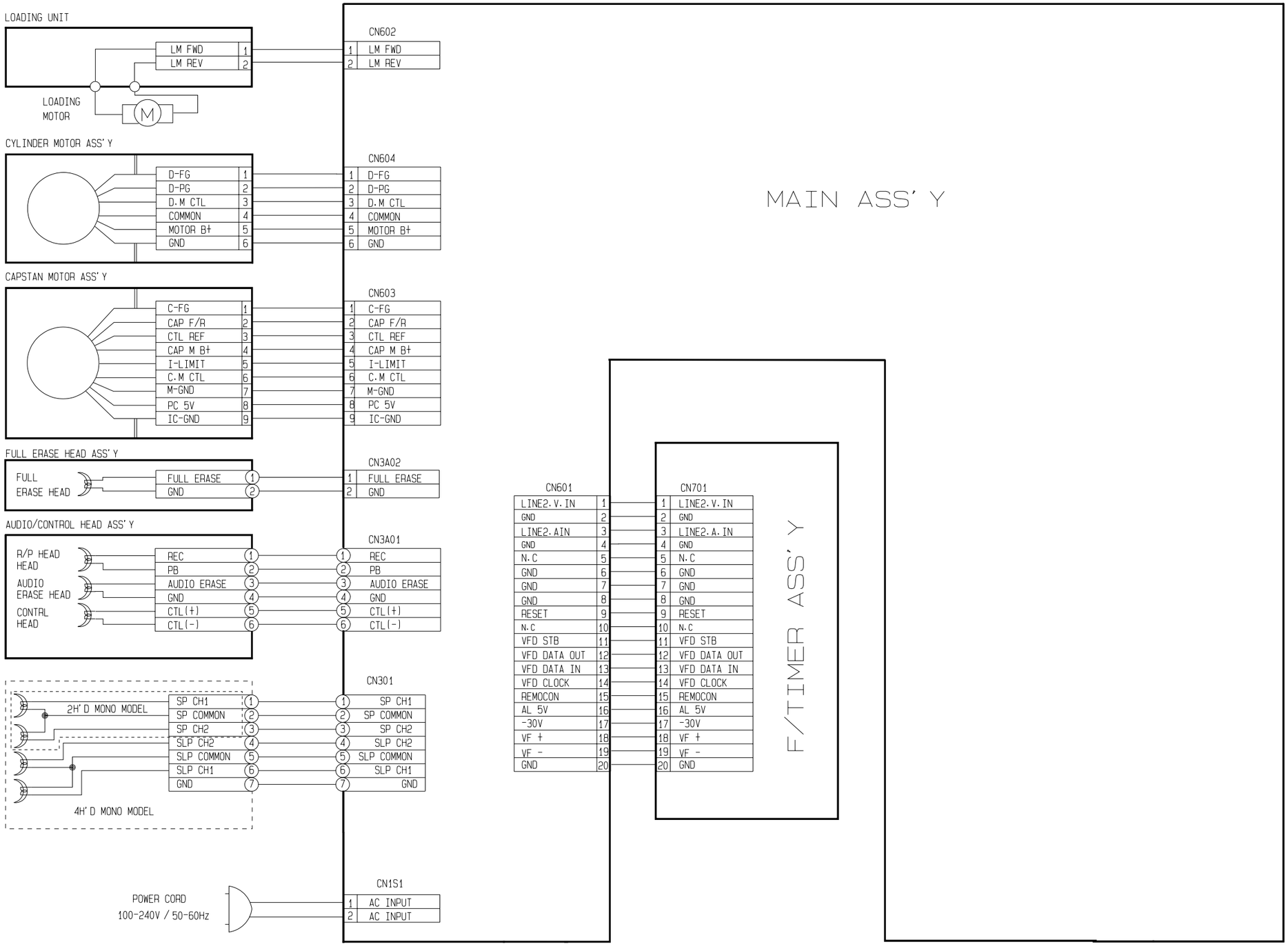
8-2 System Control



8-3 Video


(2H' D OPTION)
IC302
LA7411
REC FM 11
PB FM 10
14 SP COMMON
ENVE DET 8
18 SP CH1
REC V 7
C-SYNC 6
H' D SW V 5
20 SP CH2
H' D AMP SW 4
ENVE COMP 3
TRICK H 2
IC302
LA7416
17 SP COMMON
16 LP COMMON
20 SP CH1
REC FM 11
PB FM 10
ENVE DET 8
24 SP CH2
REC V 7
C-SYNC 6
H' D SW V 5
27 LP CH2
H' D AMP SW 4
ENVE COMP 3
TRICK H 2
30 LP CH1
(4H' D OPTION)
CN301
SP CH1 1
SP COMMON 2
SP CH2 3
LP CH2 4
LP COMMON 5
LP CH1 6
GND 7
HI-FI CH1 8
HI-FI COMMON 9
HI-FI CH2 10
IC303
PAL OPTION: SS23377M
MULTI OPTION: SS23378M
21 C-OUT
12 NTSC 'H'
10 FSC
2 C-IN1
4 C-IN2
6 Y IN
8 60Hz 'H'
11 Y OUT
64 IIC DATA
63 IIC CLOCK
60 VXO2-IN
59 VXO2-OUT
56 VXO1-OUT
55 VXO1-IN
51 C-CCD IN
50 C CCD DRIVE2
48 C CCD DRIVE2
46 PB C.OUT
45 PB C.IN
43 NTSC 'H'
42 Y CCD DRIVE IN
41 60Hz 'H'
MULTI OPTION
65 MESECAM DET
66 C ROTARY SW
67 H' D SW
IC301
PAL OPTION: SS11511M
MULTI OPTION: SS11501M
Y CCD DRIVE OUT 40
VIDEO OUT(2.2Vp-p) 38
C-SYNC 37
VIDEO AGC IN 35
VIDEO OUT(1Vp-p) 34
V-LOCK 33
AV V.IN 30
AUX V.IN 28
REC C OUT 14
PB FM IN 15
REC Y FM OUT 18
REC 'H' 19
TRICK 'H' 21
IC3501
LA7337
2 FSC-IN
11 REC-CHROMA.OUT
13 PB FM.IN
15 PB-CHROMA.OUT
17 VIDEO.IN
27 C-SYNC
F/TIMER
ASS'Y
9 ENVE DET
24 H' D SW
27 V-LOCK
28 C ROTARY SW
29 H' D AMP SW
30 ENVE COMP
86 V-SYNC
93 MESECAM DET
99 IIC DATA
100 IIC CLOCK
IC601
MICOM
OSD V.OUT 45
OSD V.IN 43
C-SYNC 54
to SCART
29 SELECT V.OUT
27 V.OUT
4 OSD V.OUT
AV V.IN 2 ◄ from SCART
TUNER V.IN 1 ◄ from IF(DEMOD.)
IC801 KA8119B
(CANAL OPTION)

10. Wiring Diagram



11. Schematic Diagrams

Page

◆ Block Identification of Main PCB - - - - - - - - - - - - - - - 11-2

11-1 S.M.P.S/Power - 11-3

11-2 System Control/Servo - 11-4

11-3 Audio/Video - 11-5

11-4 IF - 11-6

11-5 I/O (1 Scart) - 11-7

11-6 I/O (2 Scart) - 11-8

11-7 VPS - 11-9

11-8 PDC - 11-10

11-9 Function-Timer (SV-A20XK/A21XK/A30XK/SV-200X/201X/203X) - - 11-11

11-10 Function-Timer (SV-A40XK/SV-205X) - - - - - - - - - - - - - - - - 11-12

11-11 Remote-Control - 11-13

Note

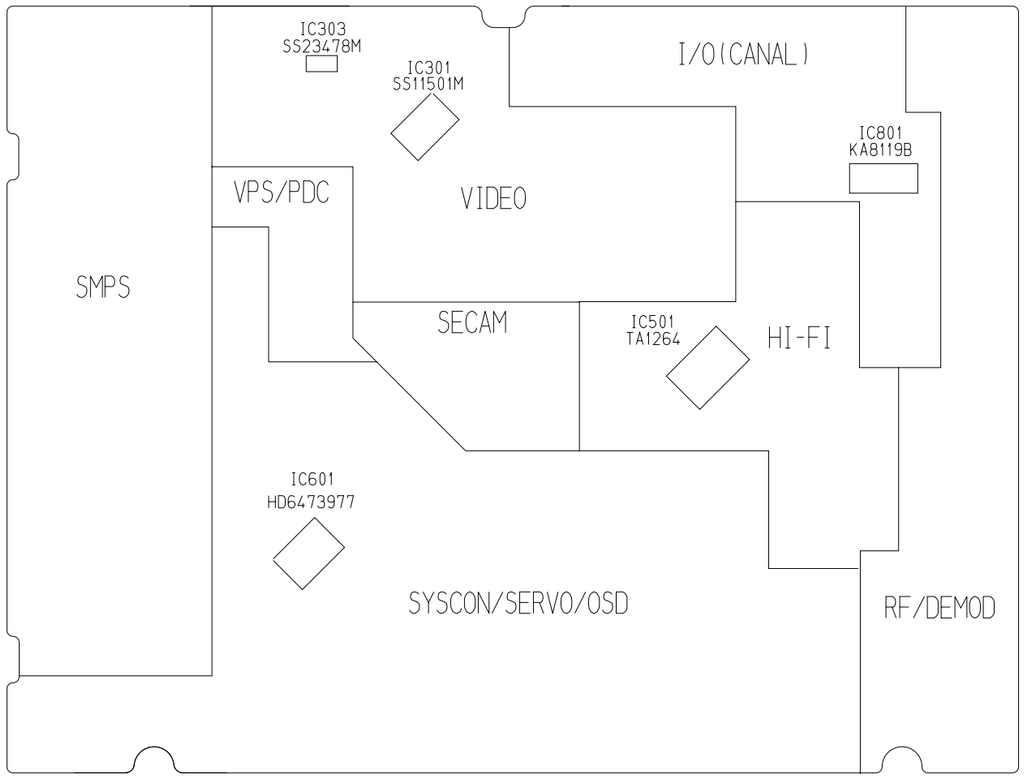
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.
- Circled numbers refer to waveforms.

Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the “electrostatically sensitive (ES) devices” section of this service manual.

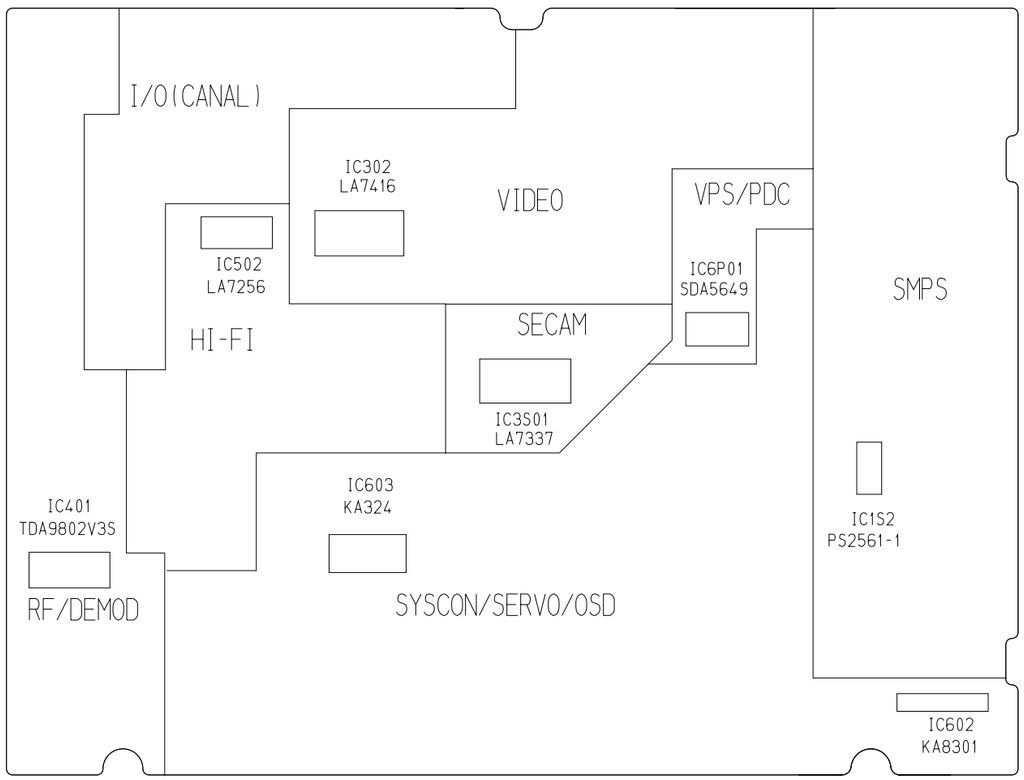
Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components. Use only the same type.

◆ Block Identification of Main PCB

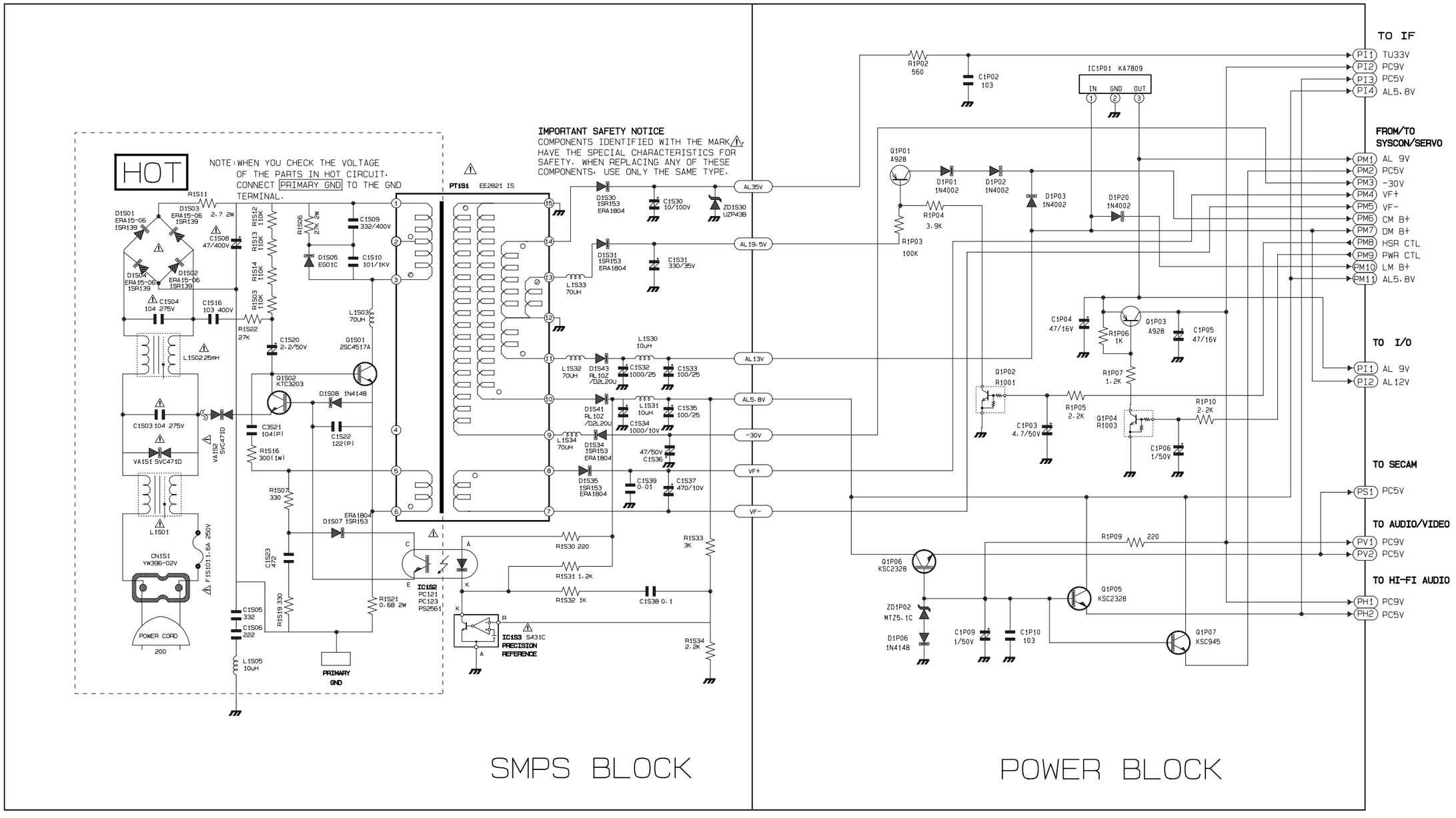


(Component Side)

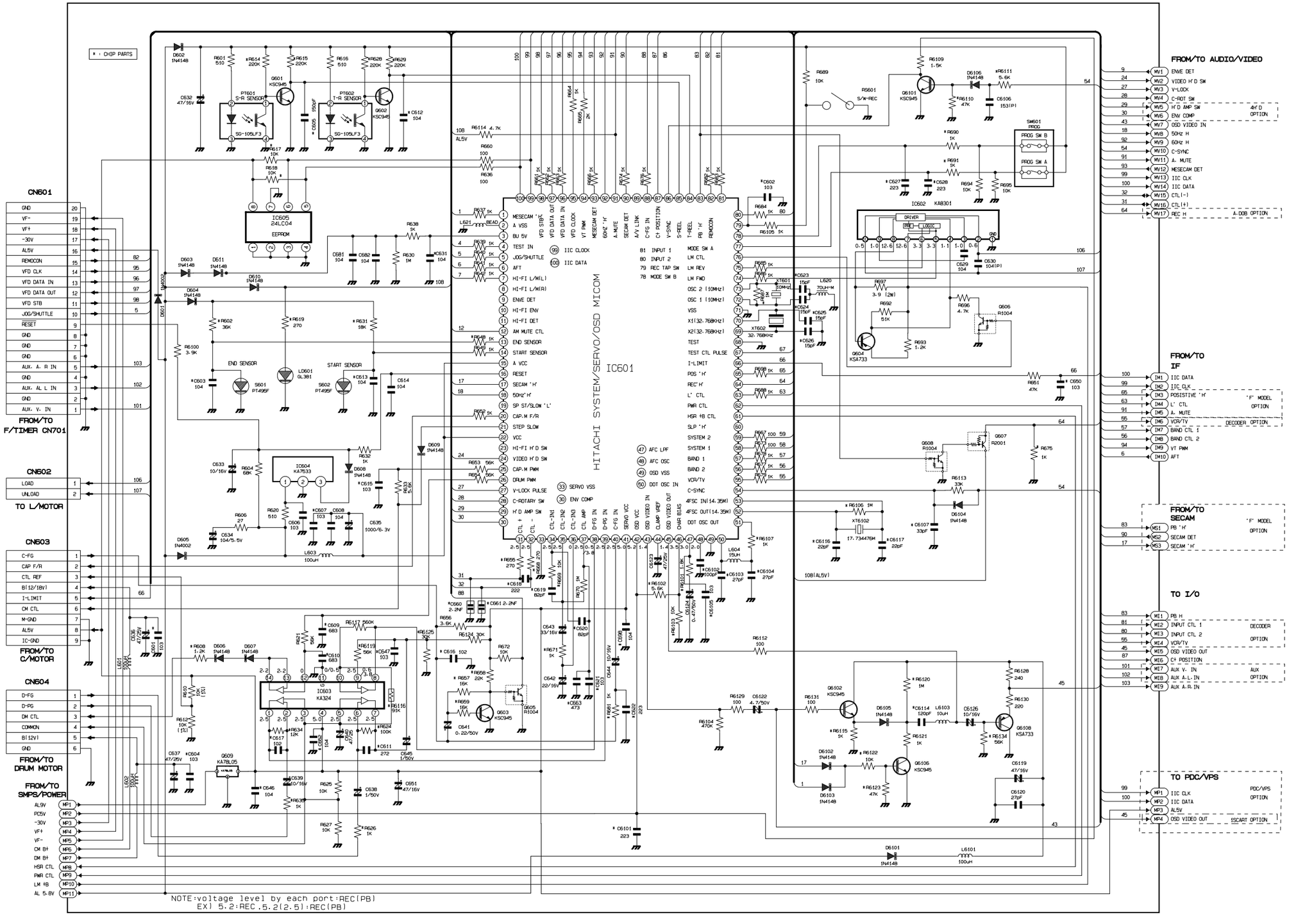


(Conductor Side)

11-1 S.M.P.S/POWER

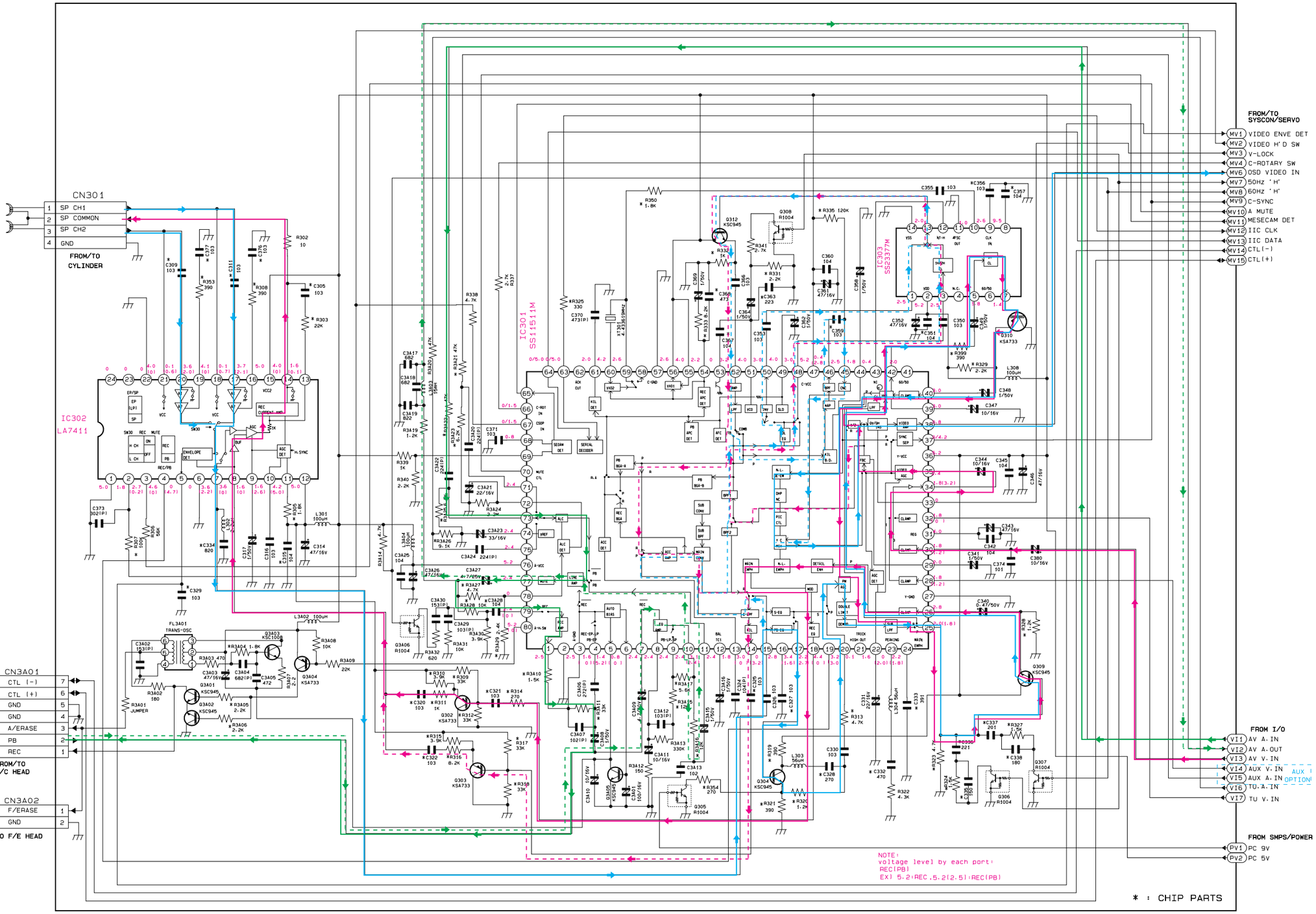


11-2 System Control/Servo

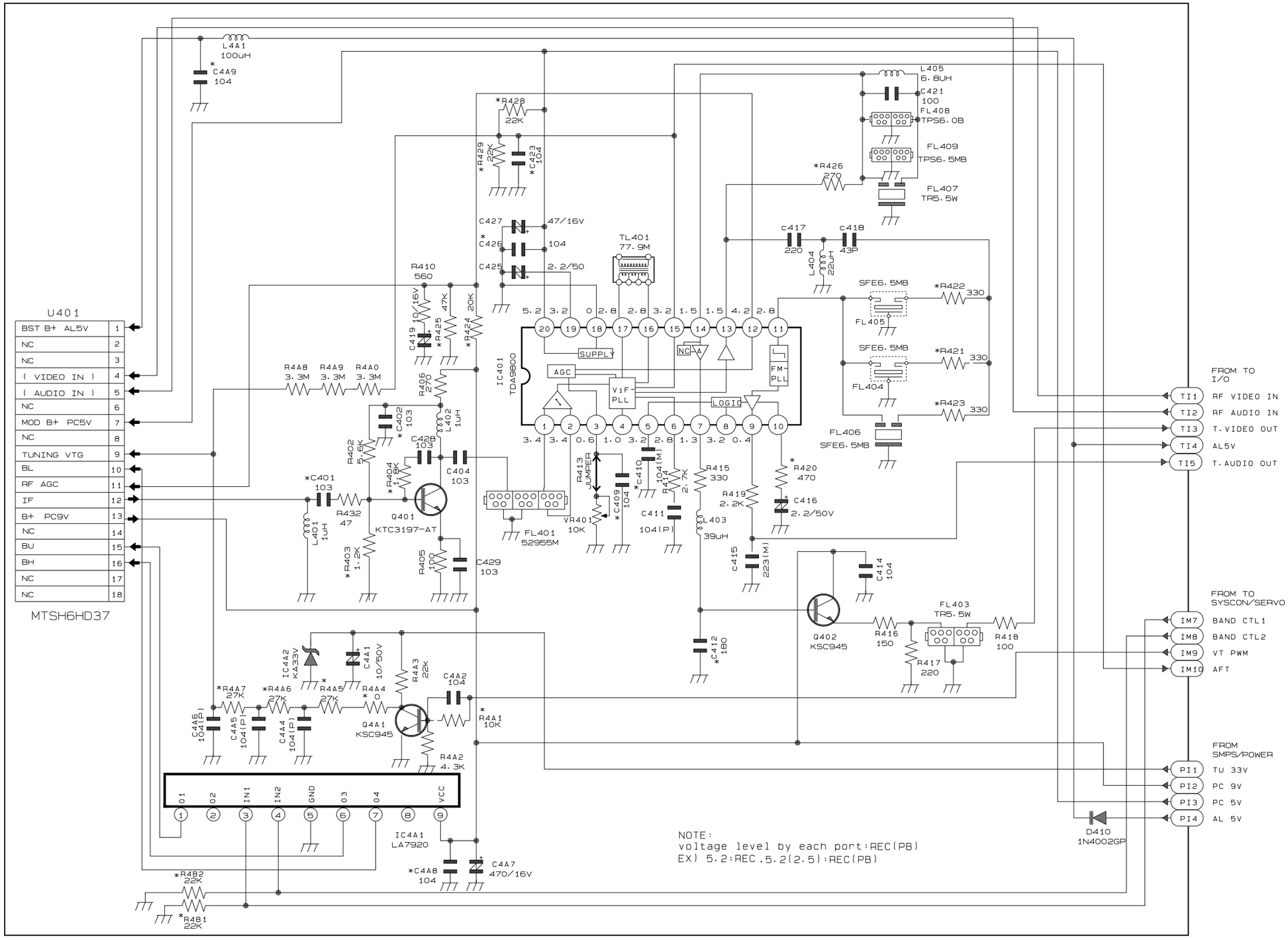


11-3 Audio/Video

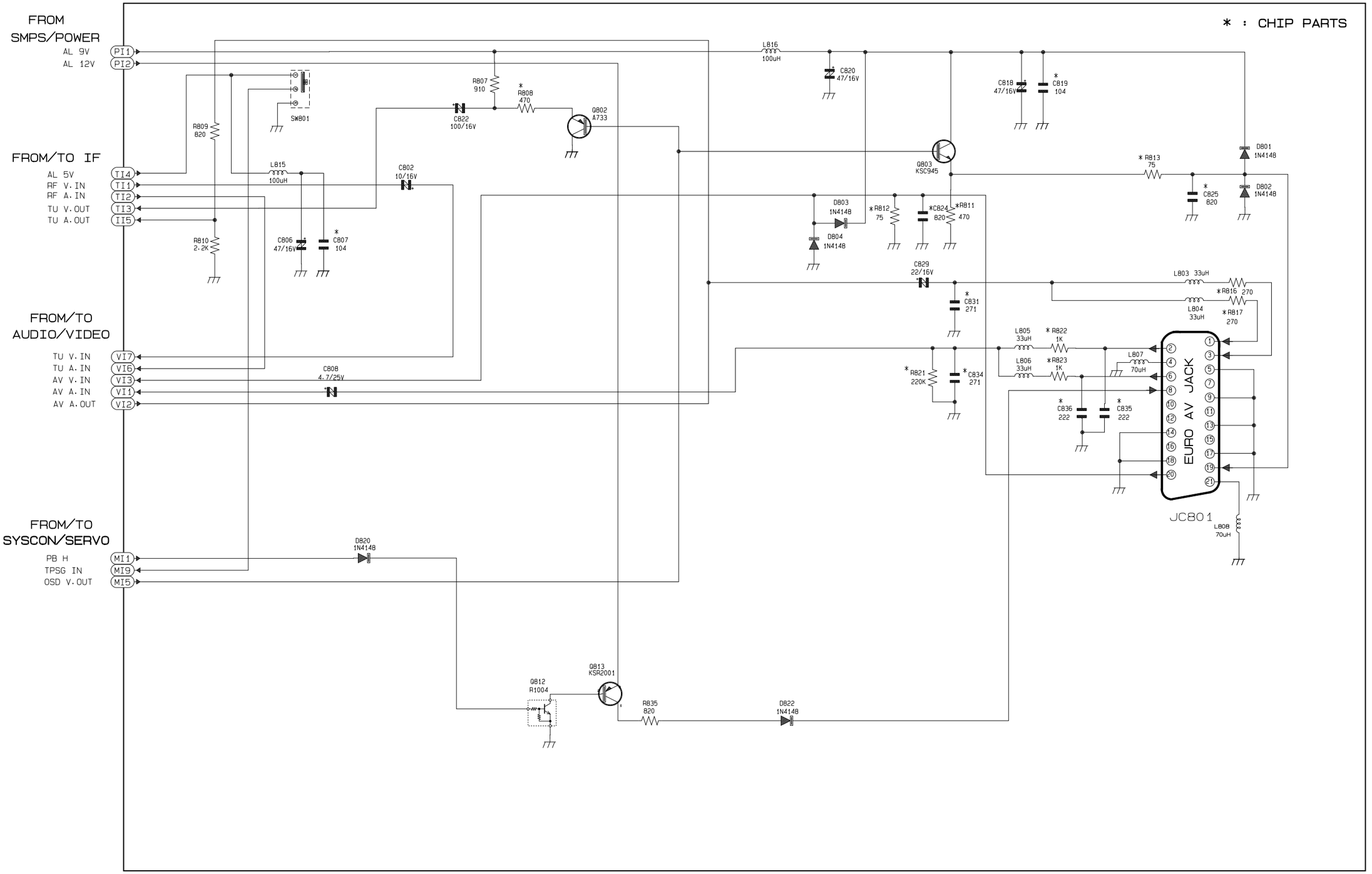
REC Y PROCESS
REC C PROCESS
PB Y PROCESS
PB C PROCESS
REC LINEAR AUDIO
PB LINEAR AUDIO



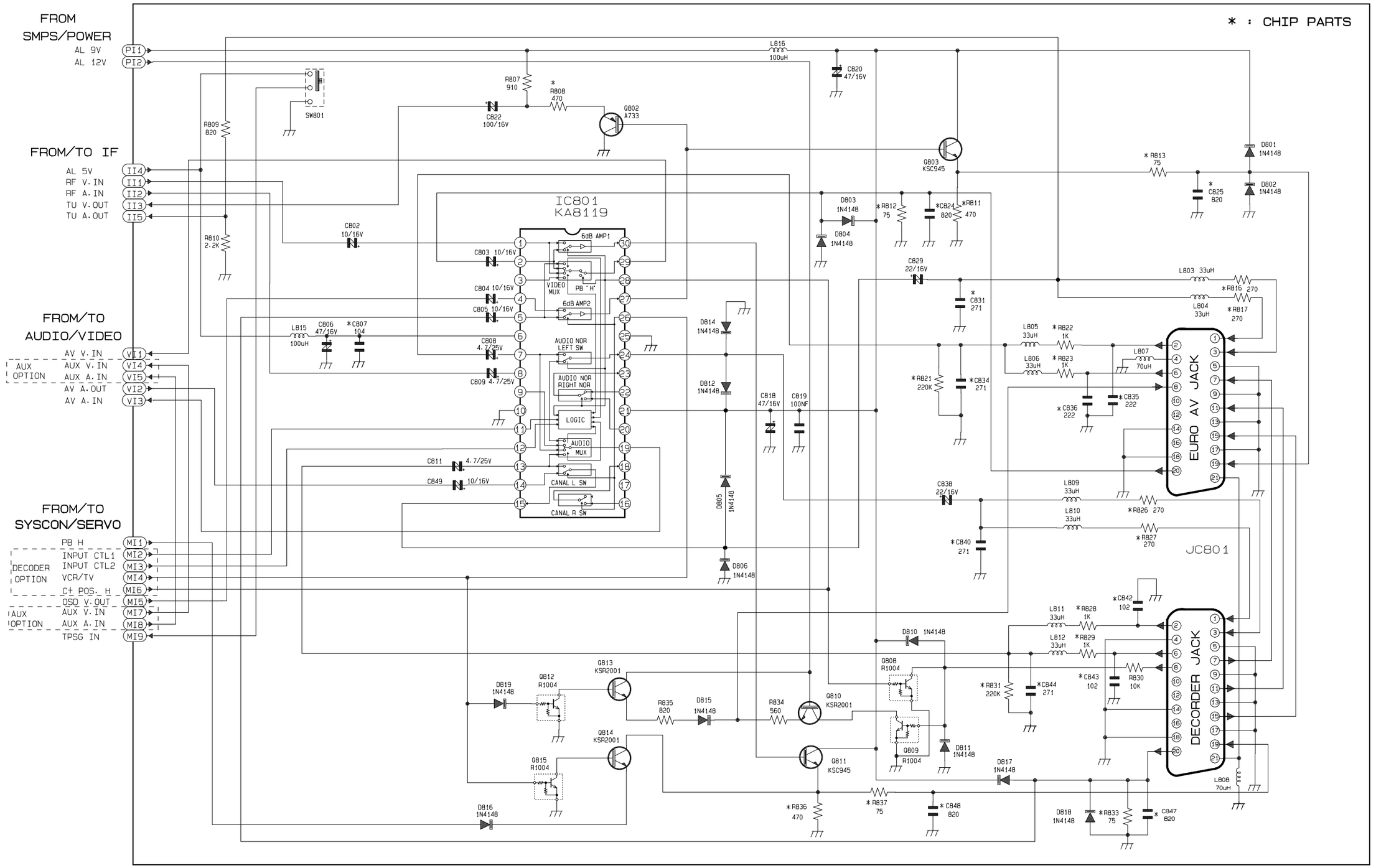
11-4 IF


U401
BST B+ AL5V 1
NC 2
NC 3
(VIDEO IN) 4
(AUDIO IN) 5
NC 6
MOD B+ PC5V 7
NC 8
TUNING VTG 9
BL 10
RF AGC 11
IF 12
B+ PC9V 13
NC 14
BU 15
BH 16
NC 17
NC 18
MTSH6HD37
L4A1 100uH
*C4A9 104
*R428 22K
*R429 22K
*C423 104
C427 47/16V
*C426 104
C425 2.2/50
R410 560
C419 10/16V
*R425 47K
*R424 20K
R4A8 3.3M
R4A9 3.3M
R4A0 3.3M
R406 270
*C402 103
L402 1uH
R402 5.6K
*R404 1.2K
C428 103
C404 103
*C401 103
R432 47
L401 1uH
Q401 KTC3197-AT
*R403 1.2K
R405 100
C429 103
FL401 52955M
TL401 77.9M
IC401 TDA9800
SUPPLY
AGC
VIF PLL
LOGIC
NC
A
FM PLL
5.2 3.2 0 2.8 2.8 3.2 1.5 1.5 4.2 2.8
20 19 18 17 16 15 14 13 12 11
1 2 3 4 5 6 7 8 9 10
3.4 3.4 0.6 1.0 3.2 2.8 1.3 3.2 0.4
R413 JUMPER
VR401 10K
*C409 104
*C410 1041(M)
R414 2.7K
C411 104(P)
R415 330
L403 39uH
R419 2.2K
C415 223(M)
*R420 470
C416 2.2/50V
*R426 270
L405 6.8UH
C421 100
FL408 TPS6.0B
FL409 TPS6.5MB
FL407 TR5.5W
c417 220
c418 43P
L404 22UH
SFE6.5MB FL405
SFE6.5MB FL404
SFE6.5MB FL406
*R422 330
*R421 330
*R423 330
C414 104
Q402 KSC945
R416 150
FL403 TR5.5W
R418 100
R417 220
*C412 180
IC4A2 KA33V
C4A1 10/50V
R4A3 22K
C4A2 104
*R4A7 27K
*R4A6 27K
*R4A5 27K
R4A4 0
C4A6 104(P)
C4A5 104(P)
C4A4 104(P)
Q4A1 KSC945
*R4A1 10K
R4A2 4.3K
IC4A1 LA7920
O1 O2 IN1 IN2 GND O3 O4 VCC
1 2 3 4 5 6 7 8 9
*C4A8 104
C4A7 470/16V
*R4B2 22K
*R4B1 22K
NOTE:
voltage level by each port:REC(PB)
EX) 5.2:REC,5.2(2.5):REC(PB)
FROM TO I/O
TI1 RF VIDEO IN
TI2 RF AUDIO IN
TI3 T.VIDEO OUT
TI4 AL5V
TI5 T.AUDIO OUT
FROM TO SYSCON/SERVO
IM7 BAND CTL1
IM8 BAND CTL2
IM9 VT PWM
IM10 AFT
FROM SMPS/POWER
PI1 TU 33V
PI2 PC 9V
PI3 PC 5V
PI4 AL 5V
D410 1N4002GP

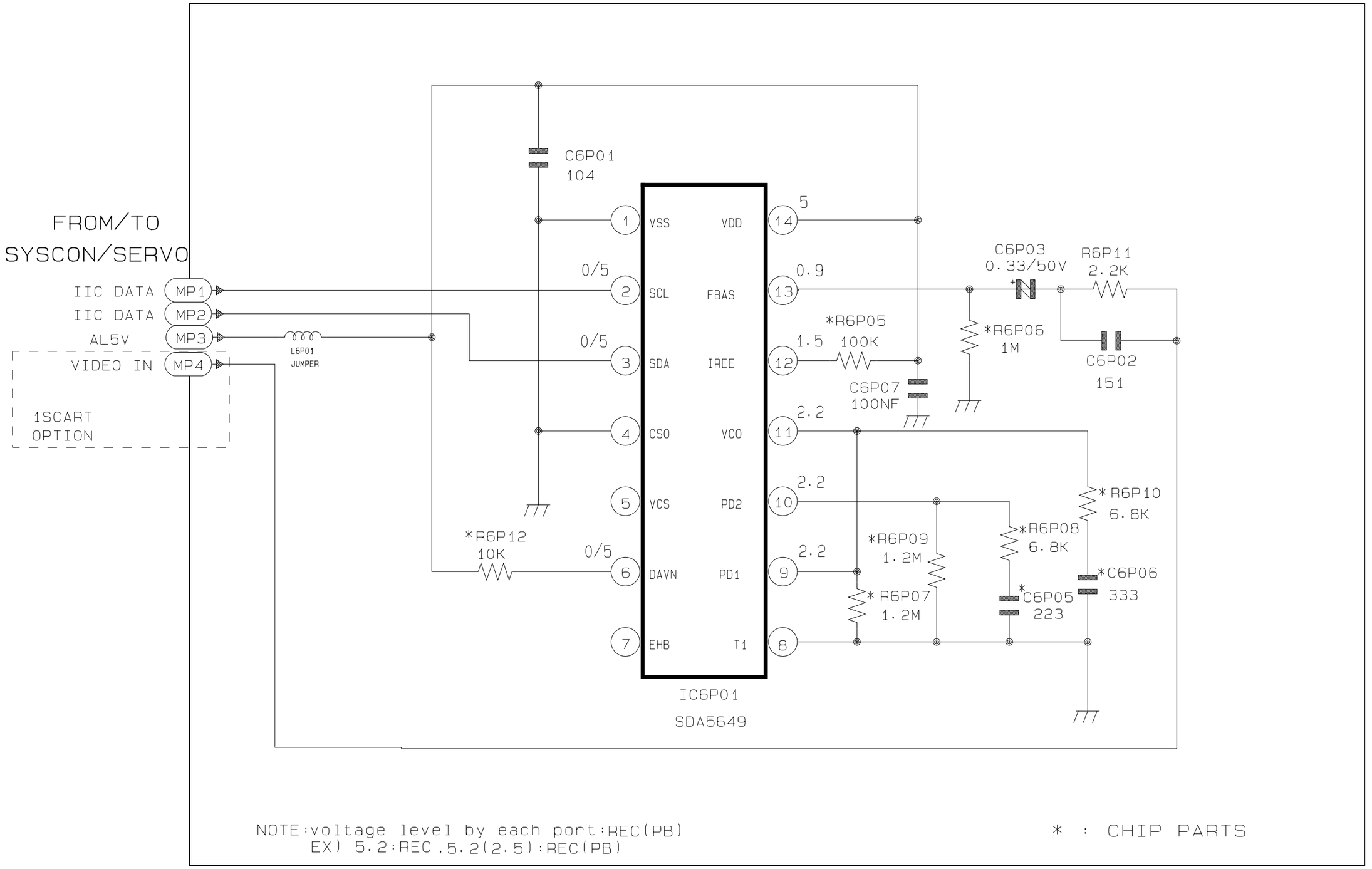
11-5 I/O (1 Scart)



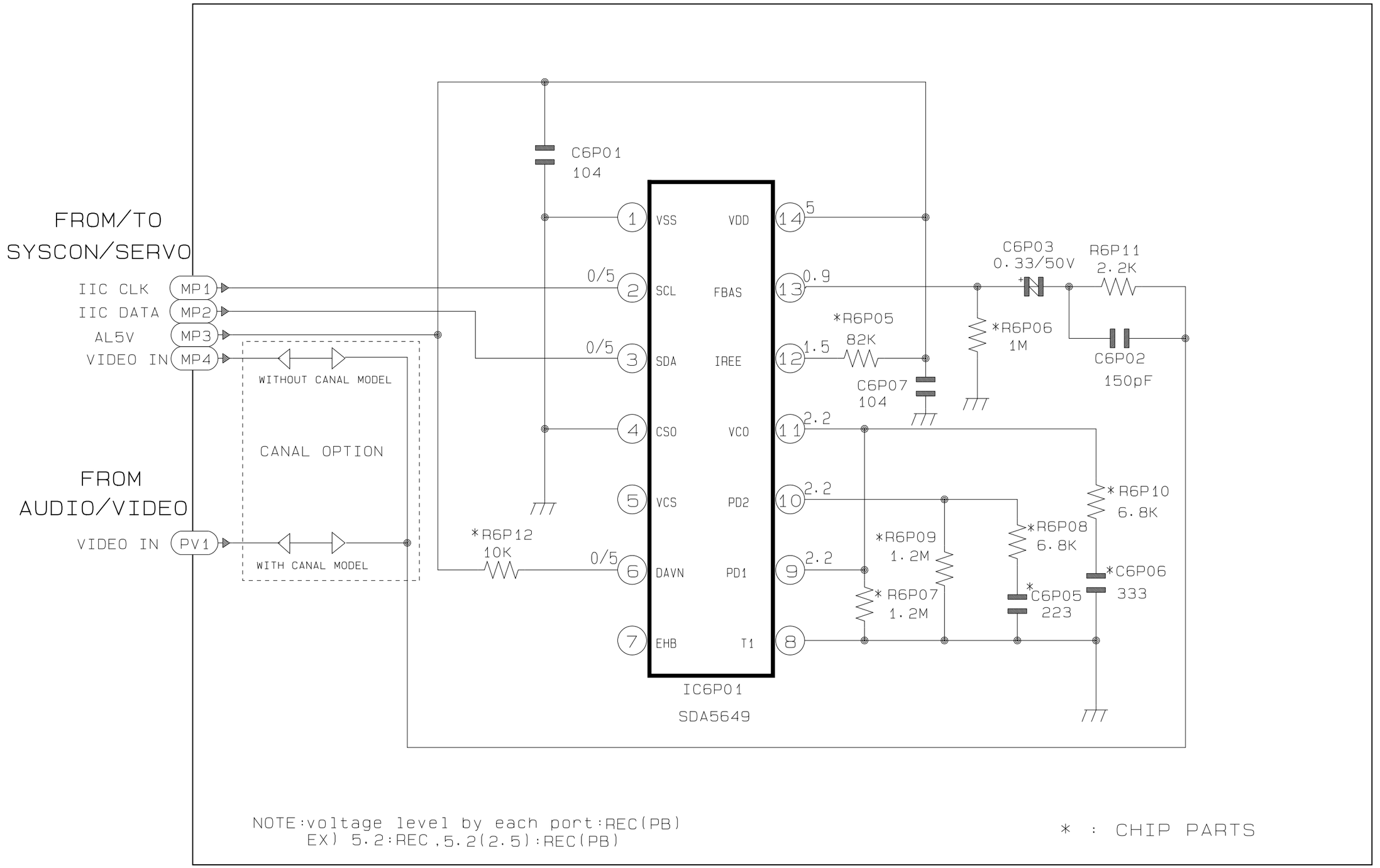
11-6 I/O (2 Scart)



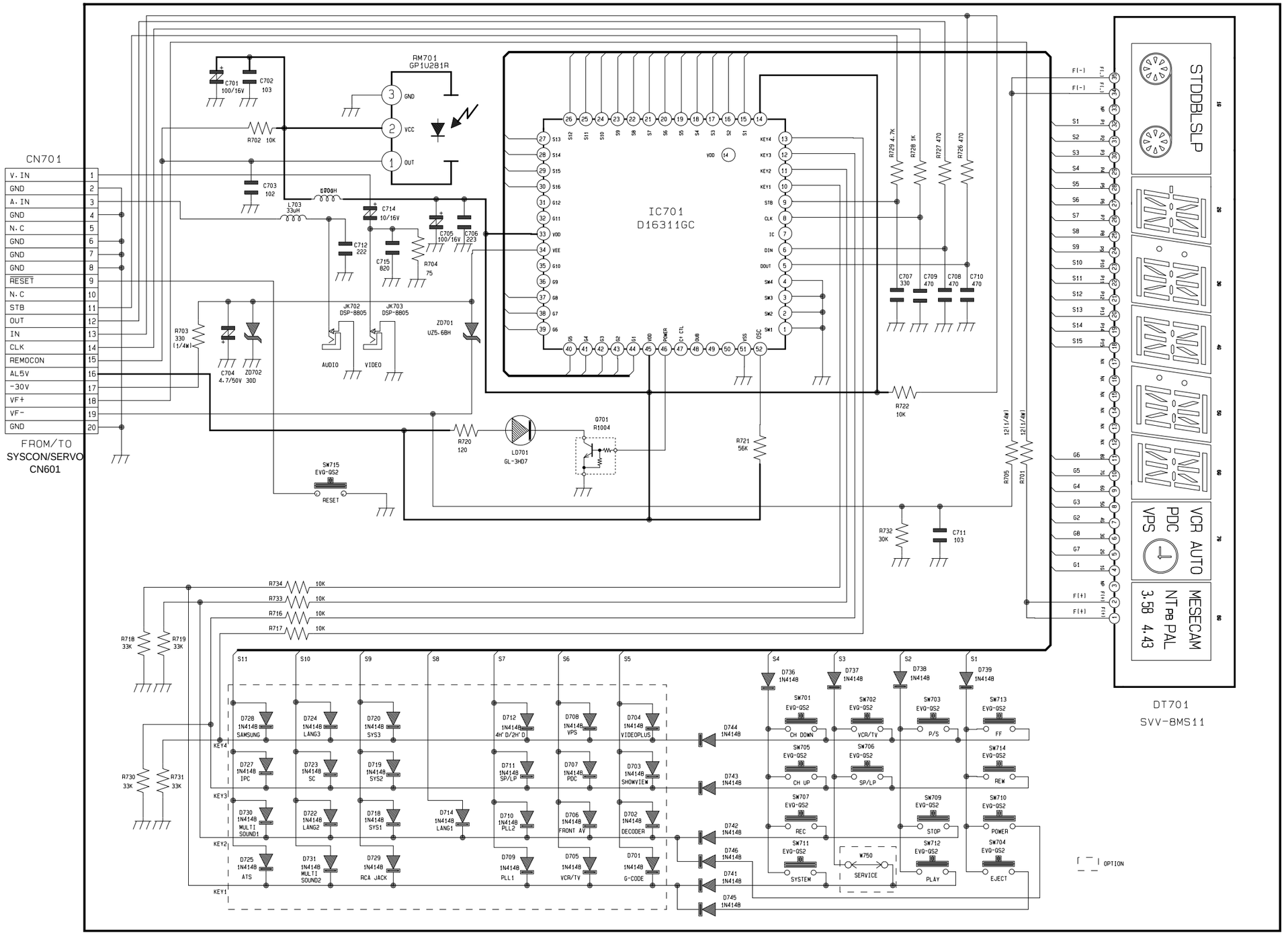
11-7 VPS


FROM/TO
SYSCON/SERVO
IIC DATA MP1
IIC DATA MP2
AL5V MP3
VIDEO IN MP4
1SCART
OPTION
L6P01
JUMPER
C6P01
104
1 VSS
2 SCL
3 SDA
4 CSO
5 VCS
6 DAVN
7 EHB
VDD 14
FBAS 13
IREE 12
VCO 11
PD2 10
PD1 9
T1 8
IC6P01
SDA5649
0/5
0/5
0/5
5
0.9
1.5
2.2
2.2
2.2
*R6P12
10K
*R6P05
100K
C6P07
100NF
C6P03
0.33/50V
R6P11
2.2K
*R6P06
1M
C6P02
151
*R6P10
6.8K
*R6P08
6.8K
*R6P09
1.2M
* R6P07
1.2M
*C6P06
333
*C6P05
223
NOTE:voltage level by each port:REC(PB)
EX) 5.2:REC ,5.2(2.5):REC(PB)
* : CHIP PARTS

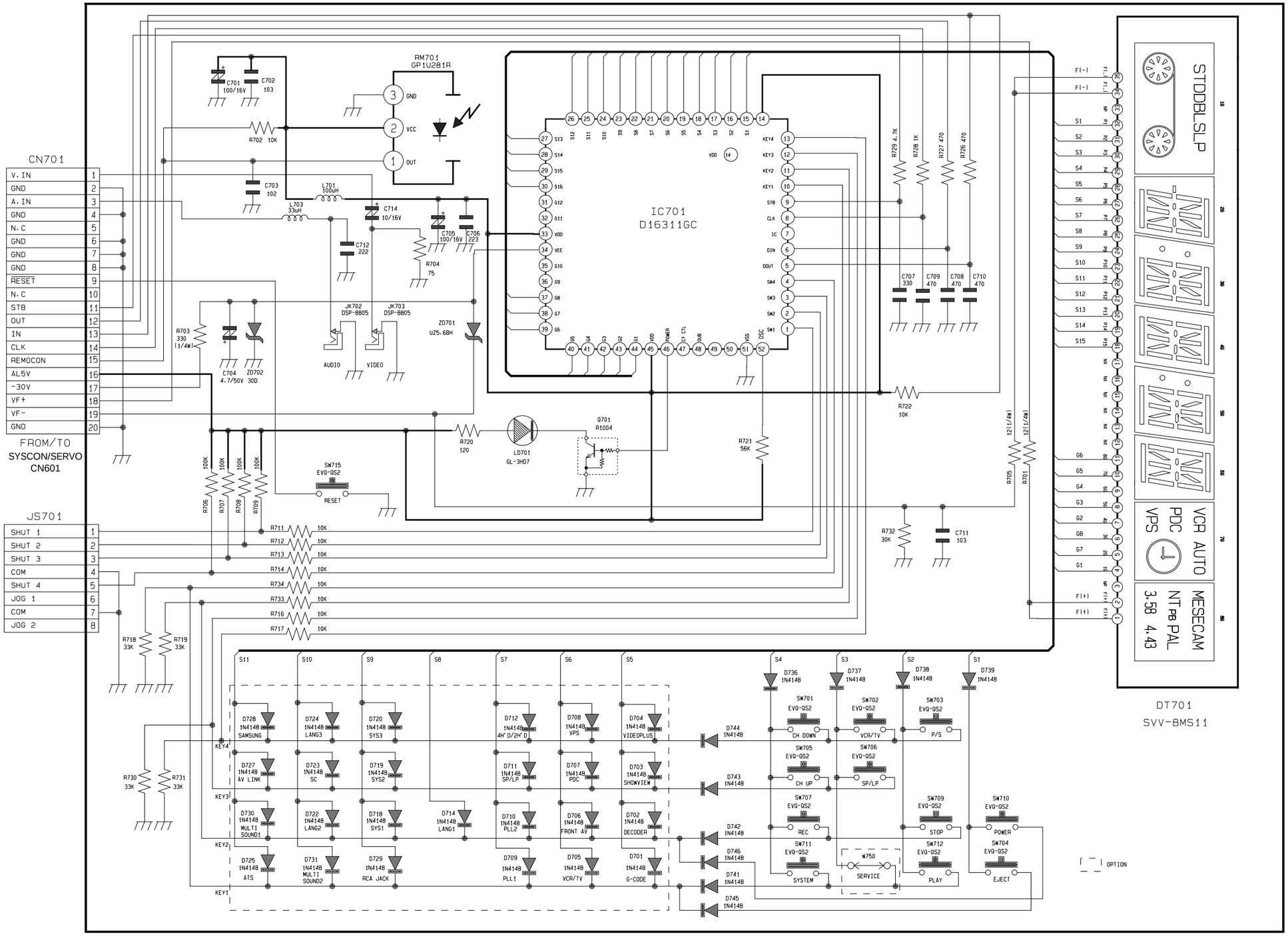
11-8 PDC


FROM/TO
SYSCON/SERVO
IIC CLK
IIC DATA
AL5V
VIDEO IN
MP1
MP2
MP3
MP4
WITHOUT CANAL MODEL
CANAL OPTION
FROM
AUDIO/VIDEO
VIDEO IN
PV1
WITH CANAL MODEL
C6P01
104
1 VSS
2 SCL
3 SDA
4 CSO
5 VCS
6 DAVN
7 EHB
14 VDD
13 FBAS
12 IREE
11 VCO
10 PD2
9 PD1
8 T1
0/5
0/5
0/5
5
0.9
1.5
2.2
2.2
2.2
2.2
*R6P12
10K
*R6P05
82K
C6P07
104
C6P03
0.33/50V
R6P11
2.2K
*R6P06
1M
C6P02
150pF
*R6P09
1.2M
*R6P08
6.8K
*R6P10
6.8K
*R6P07
1.2M
*C6P05
223
*C6P06
333
IC6P01
SDA5649
NOTE:voltage level by each port:REC(PB)
EX) 5.2:REC,5.2(2.5):REC(PB)
* : CHIP PARTS

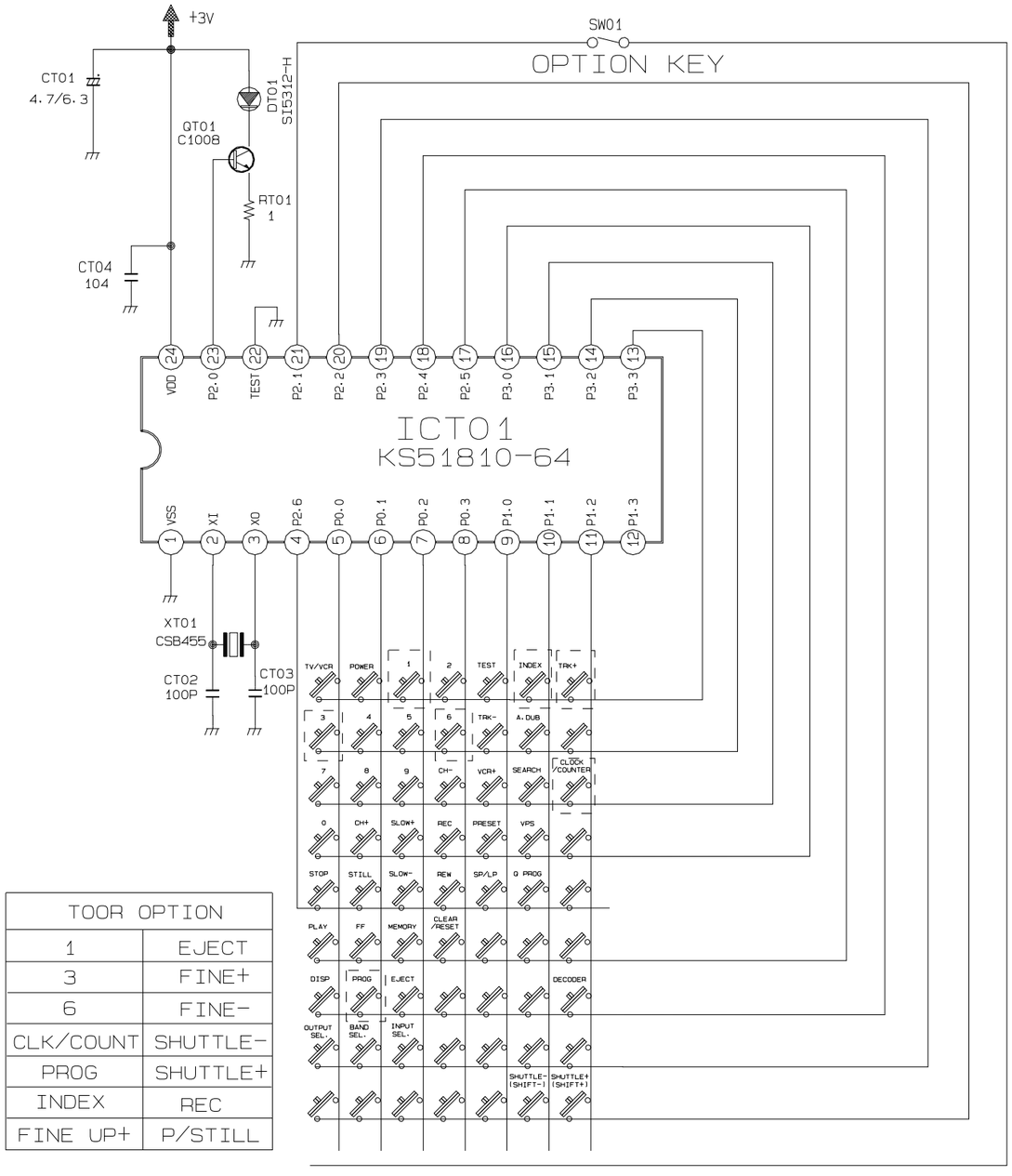
11-9 Function-Timer (SV-A20XK/A21XK/A30XK/SV-200X/201X/203X)



11-10 Function-Timer (SV-A40XK/SV-205X)



11-11 Remote-Control



TOOR OPTION	
1	EJECT
3	FINE+
6	FINE-
CLK/COUNT	SHUTTLE-
PROG	SHUTTLE+
INDEX	REC
FINE UP+	P/STILL